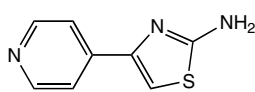


# Pyridylthiazoles

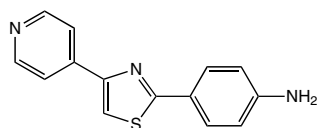
Pyridylthiazole compounds have found use in a variety of diverse applications from highly luminescent heterocyclic compounds<sup>1</sup> to potential antiulcer drugs,<sup>2</sup> to the formation of double and triple helicates with Cu(II),<sup>3</sup> to the mesoscopically ordered pH-responsive hybrid materials.<sup>4</sup> Moreover, their structural motifs can be found in thiopeptide antibiotics such as Amythiamicin D.<sup>5</sup> A number of new pyridylthiazole derivatives are now available through Alfa Aesar, and many have already been extensively cited in scientific literature.

Clariant has patented the use of thiazolyl-pyridinium based dyes in optical layers for optical data recording which includes the use of H51754.<sup>6</sup> A series of potent, orally active antiallergy agents have involved H52238.<sup>7</sup> Researchers from Italy have been able to react H51851 or B20457 with either Zn(II), Co(II) or Cu(II) salts to form coordination complexes with assorted geometry at the metal centers.<sup>8</sup> Alfa Aesar has expanded its comprehensive range of pyridylthiazole derivatives with the following products.



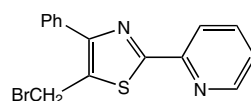
**H52238**

2-Amino-4-(4-pyridyl)-thiazole, 97%



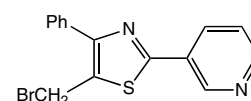
**H52250**

2-(4-Aminophenyl)-4-(4-pyridyl)thiazole, 97%



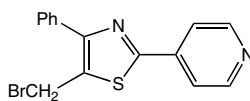
**H51772**

5-Bromomethyl-4-phenyl-2-(2-pyridyl)thiazole, 97%



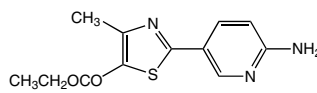
**H51779**

5-Bromomethyl-4-phenyl-2-(3-pyridyl)thiazole, 97%



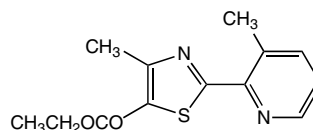
**H51791**

5-Bromomethyl-4-phenyl-2-(4-pyridyl)thiazole, 97%



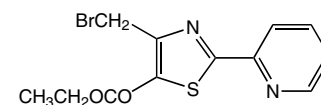
**H51842**

Ethyl 2-(2-amino-5-pyridyl)-4-methylthiazole-5-carboxylate, 97%



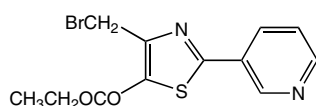
**H52244**

Ethyl 2-(3-methyl-2-pyridyl)-4-methylthiazole-5-carboxylate, 97%



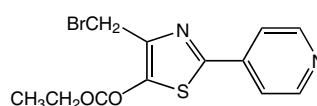
**H51727**

Ethyl 4-bromomethyl-2-(2-pyridyl)thiazole-5-carboxylate, 97%



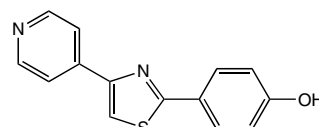
**H51811**

Ethyl 4-bromomethyl-2-(3-pyridyl)thiazole-5-carboxylate, 95%



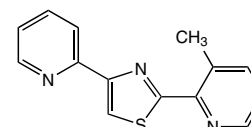
**H51817**

Ethyl 4-bromomethyl-2-(4-pyridyl)thiazole-5-carboxylate, 95%



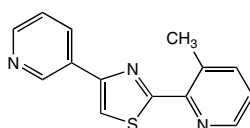
**H52229**

2-(4-Hydroxyphenyl)-4-(4-pyridyl)thiazole, 97%



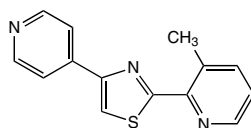
**H52150**

2-(3-Methyl-2-pyridyl)-4-(2-pyridyl)thiazole, 97%



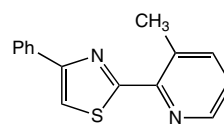
**H52230**

2-(3-Methyl-2-pyridyl)-4-(3-pyridyl)thiazole, 97%



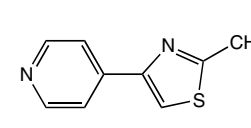
**H52242**

2-(3-Methyl-2-pyridyl)-4-(4-pyridyl)thiazole, 97%



**H52158**

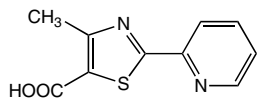
2-(3-Methyl-2-pyridyl)-4-phenylthiazole, 97%



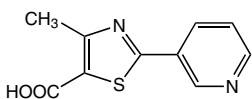
**H52155**

2-Methyl-4-(4-pyridyl)thiazole, 97%

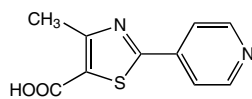
# Pyridylthiazoles



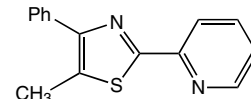
**H51711**  
4-Methyl-2-(2-pyridyl)thiazole-5-carboxylic acid, 97%  
[34418-48-9]



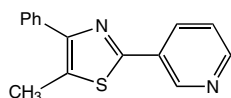
**H51723**  
4-Methyl-2-(3-pyridyl)thiazole-5-carboxylic acid, 97%  
[39091-01-5]



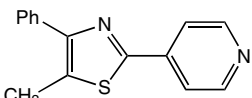
**H51753**  
4-Methyl-2-(4-pyridyl)thiazole-5-carboxylic acid, 97+%  
[144060-98-0]



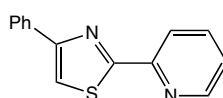
**H51777**  
5-Methyl-4-phenyl-2-(2-pyridyl)thiazole, 97%



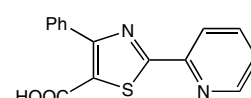
**H51784**  
5-Methyl-4-phenyl-2-(3-pyridyl)thiazole, 97%



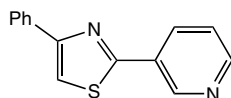
**H51787**  
5-Methyl-4-phenyl-2-(4-pyridyl)thiazole, 97%



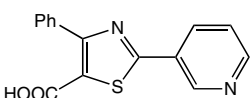
**H51731**  
4-Phenyl-2-(2-pyridyl)thiazole, 97%  
[14384-67-9]



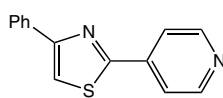
**H51850**  
4-Phenyl-2-(2-pyridyl)thiazole-5-carboxylic acid, 97%



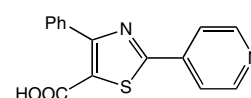
**H51748**  
4-Phenyl-2-(3-pyridyl)thiazole, 97%  
[70031-86-6]



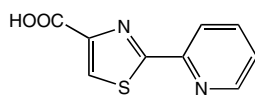
**H51819**  
4-Phenyl-2-(3-pyridyl)thiazole-5-carboxylic acid, 97%



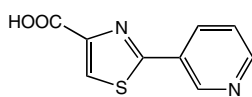
**H51754**  
4-Phenyl-2-(4-pyridyl)thiazole, 97%  
[106950-18-9]



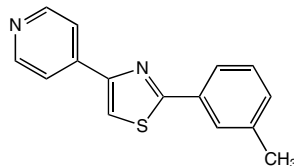
**H51826**  
4-Phenyl-2-(4-pyridyl)thiazole-5-carboxylic acid, 97%



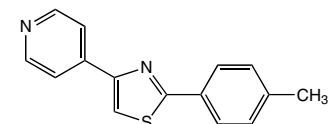
**H51851**  
2-(2-Pyridyl)thiazole-4-carboxylic acid, 97%



**H51838**  
2-(3-Pyridyl)thiazole-4-carboxylic acid, 97%  
[39067-29-3]



**H52233**  
4-(4-Pyridyl)-2-(m-tolyl)thiazole, 97%



**H52138**  
4-(4-Pyridyl)-2-(p-tolyl)thiazole, 97%

<sup>1</sup>U. W. Grummt, D. Weiss E. Birkner, R. Beckert., *J Phys. Chem. A.*, 2007, **111**, 1104.

<sup>2</sup>Y. Katsura, Y. Inoue, T. Tomishi, H. Ishikawa, & Hi. Takasugi, *J. Med. Chem.*, 1994, **37**, 57.

<sup>3</sup>C. R. Rice, S. Wörl, J. C. Jeffery, R. L. Paul & M. D. Ward, *Chem. Commun.*, 2000, 1529.

<sup>4</sup>L.-L. Li, C.-J. Fang, H. Sun & C.-H. Yan, *Chem. Mater.*, 2008, **20**, 5977.

<sup>5</sup>R. A. Hughes, S. P. Thompson, L. Alcaraz, & C. J. Moody, *J. Am. Chem. Soc.* 2005, **127**, 15644.

<sup>6</sup>Clariant International LTD Patent: WO2006/24642 A1, 2006

<sup>7</sup>K. D. Hargrave, F. K. Hess, & J. T. Oliver, *J. Med. Chem.*, 1983, **26**, 1158.

<sup>8</sup>A. Rossin, B. D. Credico, G. Giambastiani, L. Gonsalvi, M. Peruzzini, & G. Reginato, *Euro. J. Inorg. Chem.*, 2011, 539.