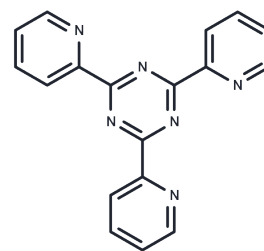


TPTZ

Chemical Properties

CAS No. :	3682-35-7
Formula:	C ₁₈ H ₁₂ N ₆
Molecular Weight:	312.33
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	TPTZ is used exclusively as an analytical reagent.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 6.7 mg/mL (21.45 mM), Sonication is recommended. Methanol: 250 mg/mL (800.44 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 0.67 mg/mL (2.15 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2017 mL	16.0087 mL	32.0174 mL
5 mM	0.6403 mL	3.2017 mL	6.4035 mL
10 mM	0.3202 mL	1.6009 mL	3.2017 mL
50 mM	0.064 mL	0.3202 mL	0.6403 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Azahari S J , Rhman M A , Mostafa M M . Spectroscopic, analytical and DFT calculation studies of two novel Al³⁺ complexes derived from 2,4,6-tri-(2-pyridyl)-1,3,5-triazine (TPTZ)[J]. Spectrochimica Acta Part A Molecular & Biomolecular Spectroscopy, 2014, 132:165-173.

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