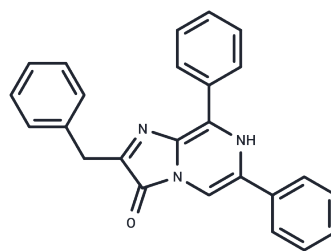


Diphenylterazine

Chemical Properties

CAS No. :	344940-63-2
Formula:	C ₂₅ H ₁₉ N ₃ O
Molecular Weight:	377.44
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Diphenylterazine (DTZ) is a bioluminescent agent. It produces very little background of its own, giving it an excellent signal-to-noise ratio.
Targets(IC50)	Others
In vitro	Diphenylterazine alone yields very little background with excellent signal-to-background ratios. Furthermore, Diphenylterazine elicits minimal cell toxicity at millimolar concentrations. Diphenylterazine injections into untransfected BALB/c mice do not yield any background emission.

Solubility Information

Solubility	DMSO: 55 mg/mL (145.72 mM) EtOH+HCl: 1 mg/mL (2.65 mM), when pH is adjusted to 2 with 1 M HCl. Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6494 mL	13.2471 mL	26.4943 mL
5 mM	0.5299 mL	2.6494 mL	5.2989 mL
10 mM	0.2649 mL	1.3247 mL	2.6494 mL
50 mM	0.053 mL	0.2649 mL	0.5299 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.

Reference

Wu S, Xu J, Chen W, et al. Protein Nanoscaffold Enables Programmable Nanobody-Luciferase Immunoassembly for Sensitive and Simultaneous Detection of Aflatoxin B1 and Ochratoxin A. Journal of Hazardous Materials. 2023:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481