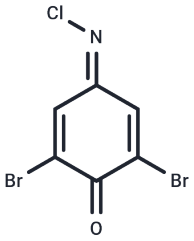
Data Sheet (Cat.No.T35514)

TargetMol

2,6-Dibromoquinone-4-chloroimide

Chemical Properties



CAS No. : 537-45-1

Formula: C6H2Br2ClNO

Molecular Weight: 299.35

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	2,6-Dibromoquinone-4-chloroimide is a colorimetric dye for the detection of phenolic compounds. It produces an indigo dye upon reacting with phenolic compounds at a pH of approximately 9.4. 2,6-Dibromoquinone-4-chloroimide has been used as a Gibbs reagent for the colorimetric detection of phenolic compounds. It has also been used in chromogenic reactions for the quantitative colorimetric detection of aflatoxins, causing colorless aflatoxins to become green with an absorption band at 673 nm.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (83.51 mM),Sonication is recommended. Ethanol: 1 mg/mL (3.34 mM),Sonication is recommended. DMF: 30 mg/mL (100.22 mM),Sonication is recommended. DMF:PBS (pH 7.2)(1:7): 0.12 mg/mL (0.4 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3406 mL	16.7029 mL	33.4057 mL
5 mM	0.6681 mL	3.3406 mL	6.6811 mL
10 mM	0.3341 mL	1.6703 mL	3.3406 mL
50 mM	0.0668 mL	0.3341 mL	0.6681 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.

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