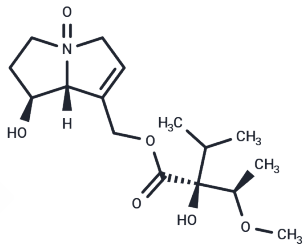
Data Sheet (Cat.No.T40706)

TargetMol

Heliotrine N-oxide

Chemical Properties



CAS No. : 6209-65-0

Formula: C16H27NO6

Molecular Weight: 329.39

Storage: 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	Heliotrine N-oxide is the pyrrolizidine alkaloid (PA) N-oxide counterpart of Heliotrine. It induces the generation of pyrrolic DNA adducts, potentially initiating PA-induced liver tumors in vivo.
Targets(IC50)	Others,DNA Alkylator/Crosslinker
In vitro	A DNA adduct is a fragment of DNA linked to a carcinogenic chemical, potentially initiating carcinogenesis (the formation of a cancerous cell).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0359 mL	15.1796 mL	30.3591 mL
5 mM	0.6072 mL	3.0359 mL	6.0718 mL
10 mM	0.3036 mL	1.518 mL	3.0359 mL
50 mM	0.0607 mL	0.3036 mL	0.6072 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

Xiaobo He, et al. Pyrrolizidine alkaloid-derived DNA adducts are common toxicological biomarkers of pyrrolizidine alkaloid N-oxides. J Food Drug Anal. 2017 Oct;25(4):984-991.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481