Data Sheet (Cat.No.T2495)



Lomeguatrib

Chemical Properties

CAS No.: 192441-08-0

Formula: C10H8BrN5OS

Molecular Weight: 326.17

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Lomeguatrib (PaTrin-2), a modified guanine base, inhibits the activity of DNA repair protein O(6)-alkylguanine-DNA alkyltransferase (MGMT).
Targets(IC50)	DNA Methyltransferase,DNA Alkylation
In vitro	In the A375M human melanoma xenograft model, intraperitoneal injection of Lomeguatrib (20 mg/kg) treatment was found to inhibit ATase activity.
In vivo	In Raji cells, Lomeguatrib inhibits ATase activity with an IC50 value of 10 nM, while in MCF-7 cells, it effectively inhibits MGMT with an IC50 of 6 nM.

Solubility Information

Solubility	H2O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or
	slightly soluble), DMSO: 60 mg/mL (184 mM), (< 1 mg/ml refers to the
	product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0659 mL	15.3294 mL	30.6589 mL
5 mM	0.6132 mL	3.0659 mL	6.1318 mL
10 mM	0.3066 mL	1.5329 mL	3.0659 mL
50 mM	0.0613 mL	0.3066 mL	0.6132 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

McElhinney RS, et al. J Med Chem, 1998, 41(26), 5265-5271. Clemons M, et al. Br J Cancer, 2005, 93(10), 1152-1156.



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

Page 2 of 2 www.targetmol.com