

Lomeguatrib

Catalog No: tcsc1385



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

192441-08-0

Formula:

$C_{10}H_8BrN_5OS$

Pathway:

Epigenetics

Target:

DNA Methyltransferase

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 56 mg/mL (171.69 mM)

Alternative Names:

PaTrin-2

Observed Molecular Weight:

326.17

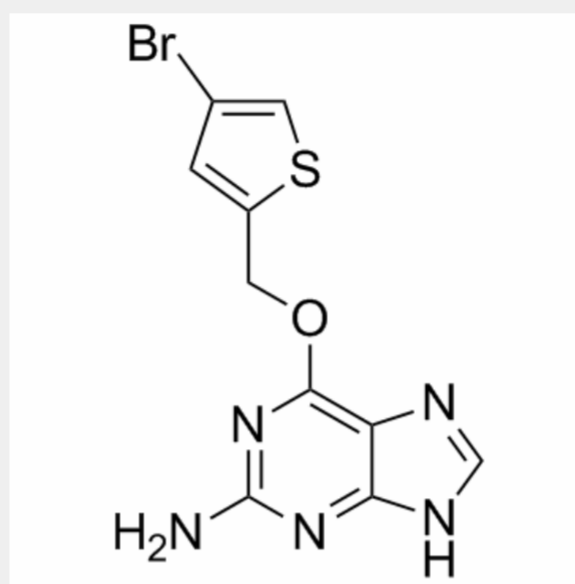
Product Description

Lomeguatrib is a O⁶-methylguanine-DNA methyltransferase (**MGMT**) inhibitor, with **IC₅₀**s of 9 nM in cell-free assay and ~6 nM in MCF-7 cells.

IC50 & Target: IC50: 9 nM (MGMT)^[1], ~6 nM (MGMT, MCF-7 cells)^[2]

In Vitro: Lomeguatrib (Compound 10) is a O⁶-methylguanine methyltransferase (MGMT) inhibitor, with an IC₅₀ of 9 nM in cell-free assay^[1] and ~6 nM in MCF-7 cells. Lomeguatrib (10 μM) substantially increases the growth inhibitory effects of temozolomide in MCF-7 cells (D₆₀=10 μM with Lomeguatrib vs 400 μM without)^[2].

In Vivo: Lomeguatrib (20 mg/kg i.p.) completely inactivates MGMT within 2 h, but shows no significant effect on tumor growth in MCF-7 xenografts^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!