

# 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 :  $\geq 56$  mg/mL (171.69 mM)

**Alternative Names:**

PaTrin-2

**Observed Molecular Weight:**

326.17

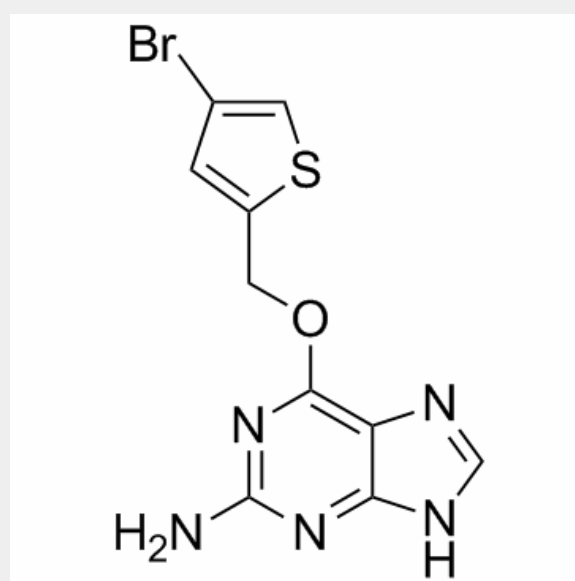
## Product Description

Lomeguatrib is a O<sup>6</sup>-methylguanine-DNA methyltransferase (**MGMT**) inhibitor, with **IC<sub>50</sub>**s of 9 nM in cell-free assay and ~6 nM in MCF-7 cells.

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

**In Vitro:** Lomeguatrib (Compound 10) is a O<sup>6</sup>-methylguanine methyltransferase (MGMT) inhibitor, with an IC<sub>50</sub> of 9 nM in cell-free assay<sup>[1]</sup> and ~6 nM in MCF-7 cells. Lomeguatrib (10 μM) substantially increases the growth inhibitory effects of temozolomide in MCF-7 cells (D<sub>60</sub>=10 μM with Lomeguatrib vs 400 μM without)<sup>[2]</sup>.

**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<sup>[2]</sup>.



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