

## Lomeguatrib, MGMT inhibitor

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Catalog	Unit
TBI4017-10MG	10 mg
TBI4017-50MG	50 mg

### Product Details

**Formal Name:** 2-Amino-6-[(4-bromo-2-thienyl)methoxy]-9H-purine

**Alternate Names:** O6-(4-Bromothienyl)guanine

**Molecular Formula:** C<sub>10</sub>H<sub>8</sub>BrN<sub>5</sub>O<sub>3</sub>S

**Formula Weight:** 326.20

**CAS Number:** 192441-08-0

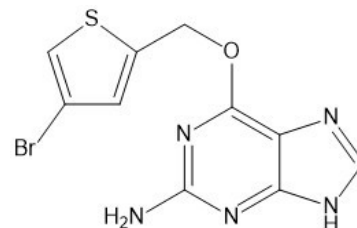
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 10 mg/ml with warming)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

MGMT inhibitor

### Functions

Lomeguatrib is a potent (IC<sub>50</sub> = 9 nM) inhibitor of O6-Methylguanine-DNA Methyltransferase (MGMT), an important DNA repair protein. It is currently being investigated in cancers that have acquired resistant to the chemotherapeutic temozolomide2-5, as well as other chemotherapeutics.

### Application Procedures

First dissolved in DMSO (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**