

K-TMZ

Chemical Properties

CAS No. : 2269482-26-8

Formula:

Molecular Weight:

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	K-TMZ is a DNA alkylating agent. It increases the concentration of O6-methylated deoxyguanosine in U87 glioblastoma multiforme (GBM) cells in a concentration-dependent manner. K-TMZ reduces cell viability of GBM cell lines lacking (IC50s = 18-44 μ M) or expressing O6-methylguanine DNA methyltransferase (MGMT; IC50s = 115-240 μ M). K-TMZ can cross the blood-brain barrier and increases survival in a Br23c mouse xenograft model of GBM when administered at a dose of 14.9 mg/kg.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 10 mg/mL, Sonication is recommended. DMSO: 10 mg/mL, Sonication is recommended. Ethanol:PBS (pH 7.2) (1:2): 0.3 mg/mL, Sonication is recommended. DMF: 10 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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