

K-TMZ Biochemical

K-TMZ

CATALOG #
AAA227108

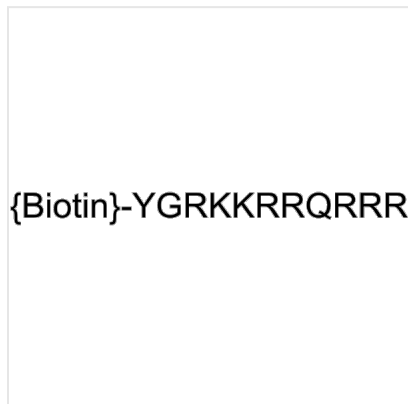
PRODUCT SYNONYMS

K-TMZ; K-TMZ biochemical

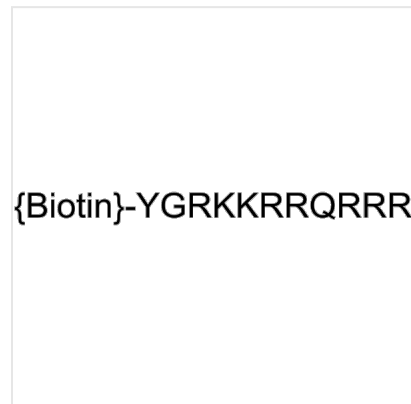
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	Ethanol: 10 mg/mL
	DMF: 10 mg/mL
	Ethanol:PBS (pH 7.2)(1:2): 0.3mg/mL
	DMSO: 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Biotin-TAT (47-57), CAS 1231898-25-1



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ADDITIONAL INFORMATION

Related Product Information for K-TMZ biochemical	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 uM) or expressing O6-methylguanine DNA methyltransferase (MGMT; IC50s = 115-240 uM). 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.
References	- Chen Sun, et al. Intracellular tracking of single native molecules with electroporation-delivered quantum dots. Anal Chem. 2014 Nov 18;86(22):11403-9. - Jean Philippe Richard, et al. Cellular uptake of unconjugated TAT peptide involves clathrin-dependent endocytosis and heparan sulfate receptors. J Biol Chem. 2005 Apr 15;280(15):15300-6.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/k-tmz/227108>