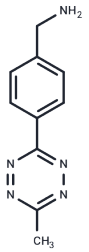
Data Sheet (Cat.No.T20967)

TargetMol

Methyltetrazine-Amine

Chemical Properties



CAS No. : 1345955-28-3

Formula: C10H11N5

Molecular Weight: 201.23

Storage: Store at low temperature,Store under nitrogen
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	Methyltetrazine-Amine is a methyl-substituted tetrazine amine used in the synthesis of PROTAC molecules.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (49.69 mM),when pH is adjusted to 2 with HCl. Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9694 mL	24.8472 mL	49.6944 mL
5 mM	0.9939 mL	4.9694 mL	9.9389 mL
10 mM	0.4969 mL	2.4847 mL	4.9694 mL
50 mM	0.0994 mL	0.4969 mL	0.9939 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Antoine Maruani, et al. A Plug-and-Play Approach for the De Novo Generation of Dually Functionalized Bispecifics. Bioconjug Chem. 2020 Mar 18;31(3):520-529.
Harrison E, Coulter JA, Dixon D. Gold nanoparticle surface functionalization: mixed monolayer versus hetero bifunctional peg linker. Nanomedicine (Lond). 2016 Apr;11(7):851-65. Review. PubMed PMID: 27021417.
Augusto MT, Hollmann A, Porotto M, Moscona A, Santos NC. Antiviral Lipopeptide-Cell Membrane Interaction Is Influenced by PEG Linker Length. Molecules. 2017 Jul 15;22(7). pii: E1190. doi: 10.3390/molecules22071190. PubMed PMID: 28714870; PubMed Central PMCID: PMC5776016.
Tuma R, Russell M, Rosendahl M, Thomas GJ Jr. Solution conformation of the extracellular domain of the human tumor necrosis factor receptor probed by Raman and UV-resonance Raman spectroscopy: structural effects of an engineered PEG linker. Biochemistry. 1995 Nov 21;34(46):15150-6. PubMed PMID: 7578129.