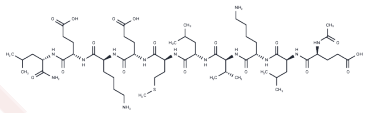
Data Sheet (Cat.No.TP1935)

TargetMol

RAGE antagonist peptide

Chemical Properties



CAS No. : 1092460-91-7

Formula: C57H101N13O17S

Molecular Weight: 1272.56

Storage: Keep away from moisture
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	Receptor for advanced glycation end products (RAGE) antagonist. Blocks S100P, S100A4 and HMGB-1 mediated RAGE activation in vitro and in vivo. Inhibits growth and metastasis of rat glioma tumors. Reduces cell growth and RAGE-mediated NF-κB activity in human PDAC cell lines. Inhibits effects of TDI exposure in BALB/c mice.
Targets(IC50)	Beta Amyloid

Solubility Information

Solubility	H2O: 1 mg/mL (0.79 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7858 mL	3.9291 mL	7.8582 mL
5 mM	0.1572 mL	0.7858 mL	1.5716 mL
10 mM	0.0786 mL	0.3929 mL	0.7858 mL
50 mM	0.0157 mL	0.0786 mL	0.1572 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

Arumugam et al (2012) S100P-derived RAGE antagonistic peptide reduces tumor growth and metastasis. Clin. Cancer.Res. 18 4356 PMID:

Yao et al (2016) The receptor for advanced glycation end products is required for beta -catenin stabilization in a chemical-induced asthma model. Br.J.Pharmacol. 173 2600 PMID:

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