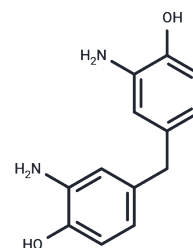


FMP-API-1

Chemical Properties

CAS No. :	16523-28-7
Formula:	C ₁₃ H ₁₄ N ₂ O ₂
Molecular Weight:	230.262
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	FMP-API-1 is an inhibitor of the A-kinase anchoring protein (AKAP)-PKA interaction. It binds to the allosteric site of the PKAR subunit, enhancing the activity of PKA and AQP2 in PKA knockout cell lines of the renal cortex collecting duct (mpkCCD cells). FMP-API-1 holds potential for studying nephrogenic diabetes insipidus (NDI).
Targets(IC50)	PKA

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3429 mL	21.7146 mL	43.4292 mL
5 mM	0.8686 mL	4.3429 mL	8.6858 mL
10 mM	0.4343 mL	2.1715 mL	4.3429 mL
50 mM	0.0869 mL	0.4343 mL	0.8686 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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