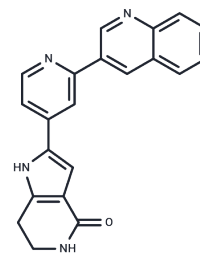


MK2-IN-3

Chemical Properties

CAS No. : 724711-21-1
 Formula: C₂₁H₁₆N₄O
 Molecular Weight: 340.38
 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	MK2-IN-3 (MK2 Inhibitor III) is a potent, cell-permeable inhibitor of mitogen-activated protein kinase-activated protein kinase 2 (MAPKAP-K2 or MK-2) and can be used for the treatment of rheumatoid arthritis
Targets(IC50)	MAPK

Solubility Information

Solubility	DMSO: 9 mg/mL (26.44 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9379 mL	14.6895 mL	29.3789 mL
5 mM	0.5876 mL	2.9379 mL	5.8758 mL
10 mM	0.2938 mL	1.4689 mL	2.9379 mL
50 mM	0.0588 mL	0.2938 mL	0.5876 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

Gurgis F, Kerfeldt MC, Heng B, et al. Cytotoxic activity of the MK2 inhibitor CMPD1 in glioblastoma cells is independent of MK2[J]. Cell Death Discovery, 2015, 1:15028.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481