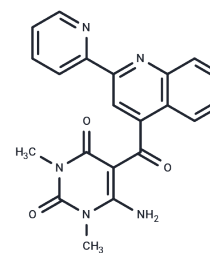


TM6008

Chemical Properties

CAS No. : 945008-17-3
 Formula: C₂₁H₁₇N₅O₃
 Molecular Weight: 387.39
 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	TM6008 is an inhibitor of prolyl hydroxylase that protects against cell death after hypoxia.
Targets(IC50)	Others,HIF/HIF Prolyl-Hydroxylase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5814 mL	12.9069 mL	25.8138 mL
5 mM	0.5163 mL	2.5814 mL	5.1628 mL
10 mM	0.2581 mL	1.2907 mL	2.5814 mL
50 mM	0.0516 mL	0.2581 mL	0.5163 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

- Tada Y, Ogawa M, Watanabe R, Zempo H, Takamura C, Suzuki J, Dan T, Miyata T, Isobe M, Komuro I. Neovascularization induced by hypoxia inducible transcription factor is associated with the improvement of cardiac dysfunction in experimental autoimmune myocarditis. *Expert Opin Investig Drugs*. 2014 Feb;23(2):149-62. doi: 10.1517/13543784.2014.855196. Epub 2013 Nov 11. PubMed PMID: 24205804.
- Kontani S, Nagata E, Uesugi T, Moriya Y, Fujii N, Miyata T, Takizawa S. A novel prolyl hydroxylase inhibitor protects against cell death after hypoxia. *Neurochem Res*. 2013 Dec;38(12):2588-94. doi: 10.1007/s11064-013-1175-0. Epub 2013 Oct 17. PubMed PMID: 24132642; PubMed Central PMCID: PMC3898357.
- Takizawa S, Nagata E, Luo HR. [Novel neuroprotective agents: a HIF activator and an Akt activator]. *Rinsho Shinkeigaku*. 2012;52(11):911-2. Japanese. PubMed PMID: 23196464.
- Takeda K, Ichiki T, Narabayashi E, Inanaga K, Miyazaki R, Hashimoto T, Matsuura H, Ikeda J, Miyata T, Sunagawa K. Inhibition of prolyl hydroxylase domain-containing protein suppressed lipopolysaccharide-induced TNF-alpha expression. *Arterioscler Thromb Vasc Biol*. 2009 Dec;29(12):2132-7. doi: 10.1161/ATVBAHA.109.196071. Epub 2009 Sep 17. PubMed PMID: 19762779.

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