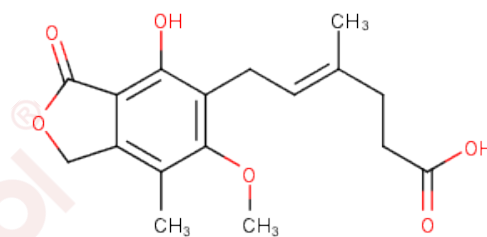


Mycophenolic acid

Chemical Properties

CAS No. : 24280-93-1
 Formula: C₁₇H₂₀O₆
 Molecular Weight: 320.34
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Mycophenolic acid (Mycophenolate) is an inosine monophosphate dehydrogenase (IMPDH) inhibitor with anti-proliferative activity.
Targets(IC50)	Apoptosis, Dehydrogenase, Endogenous Metabolite, Antibacterial, Antibiotic, UGT, Antifungal
In vitro	In murine models, Mycophenolic acid selectively inhibits lymphocyte proliferation, cellular-mediated immune responses, and humoral immune responses.
In vivo	In cultured human, mouse, and rat T lymphocytes and B lymphocytes, Mycophenolic acid inhibits mitogen-induced proliferative responses. Mycophenolic acid can also induce apoptosis in activated CD4+ T cells.

Solubility Information

Solubility	DMSO: 32 mg/mL (100 mM), < 1 mg/ml refers to the product slightly soluble or insoluble
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1217 mL	15.6084 mL	31.2168 mL
5 mM	0.6243 mL	3.1217 mL	6.2434 mL
10 mM	0.3122 mL	1.5608 mL	3.1217 mL
50 mM	0.0624 mL	0.3122 mL	0.6243 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.

Reference

Zeng X, Zhu S, Lu W, et al. Target identification among known drugs by deep learning from heterogeneous networks. Chemical Science. 2020, 11(7): 1775-1797.

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:36 Washington Street,Wellesley Hills,MA 02481