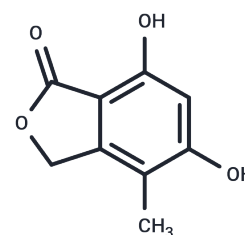


Mycophenolic Acid Impurity

Chemical Properties

CAS No. :	27979-57-3
Formula:	C ₉ H ₈ O ₄
Molecular Weight:	180.16
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Mycophenolic Acid Impurity (5,7-dihydroxy-4-methylphthalide) is an immunosuppressant drug and potent anti-proliferative, and can be used in place of the older anti-proliferative azathioprine. It is usually used as part of triple therapy including a calcineurin inhibitor (cyclosporin or tacrolimus) and prednisolone. It is also useful in research for the selection of animal cells that express the E. coli gene coding for XGPRT (xanthine guanine phosphoribosyltransferase).
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 65 mg/mL (360.79 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5506 mL	27.7531 mL	55.5062 mL
5 mM	1.1101 mL	5.5506 mL	11.1012 mL
10 mM	0.5551 mL	2.7753 mL	5.5506 mL
50 mM	0.111 mL	0.5551 mL	1.1101 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

- Bullingham, R., Nicholls, A., & Kamm, B. (1998). Clinical Pharmacokinetics of Mycophenolate Mofetil. *Clinical Pharmacokinetics*, 34(6), 429-455. doi: 10.2165/00003088-199834060-00002
- Lee, W., Gu, L., Mikszta, A., Chu, N., Leung, K., & Nelson, P. (1990). Bioavailability improvement of mycophenolic acid through amino ester derivatization. *Pharm Res*, 7(2), 161-6.

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