

RS 61443

## Chemical Properties

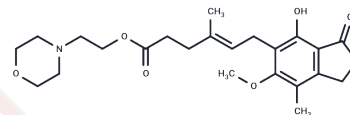
CAS No. : 115007-34-6

Formula: C<sub>23</sub>H<sub>31</sub>N<sub>3</sub>O<sub>7</sub>

Molecular Weight: 433.5

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	RS 61443 (Mycophenolate mofetil) is an immunosuppressant, a non-competitive, selective and reversible inhibitor of inosine monophosphate dehydrogenase (IMPDH)
Targets(IC50)	Dehydrogenase
In vitro	Mycophenolate mofetil (MMF) is a relatively new systemic immunosuppressive agent whose use is rapidly increasing within the field of dermatologic. Originally used in the 1970s for the treatment of psoriasis, MMF has demonstrated efficacy in multiple types of inflammatory skin diseases. Although the safety data within the dermatologic literature is sparse, MMF's extensive use within the field of organ transplantation has demonstrated a favorable safety profile. MMF's lack of hepatic or renal toxicity is a significant advantage over immunosuppressive medications currently used in dermatology and make MMF an attractive candidate for multidrug regimens.

## Solubility Information

Solubility	DMSO: 11 mg/mL (25.37 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	2.3068 mL	11.534 mL	23.0681 mL
5 mM	0.4614 mL	2.3068 mL	4.6136 mL
10 mM	0.2307 mL	1.1534 mL	2.3068 mL
50 mM	0.0461 mL	0.2307 mL	0.4614 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

Zwerner J , Fiorentino D . Mycophenolate mofetil[J]. Dermatologic Therapy, 2010, 20(4):229-238.

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