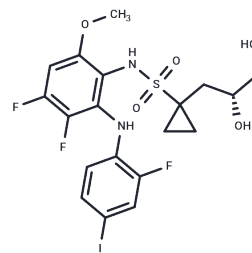


## Refametinib R enantiomer

## Chemical Properties

CAS No. :	923032-38-6
Formula:	C <sub>19</sub> H <sub>20</sub> F <sub>3</sub> IN <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	572.34
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	Refametinib R enantiomer (RDEA119 R enantiomer) is an MEK inhibitor with an EC <sub>50</sub> of 2.0-15 nM. Refametinib (R enantiomer) has anticancer activity and can be used in cancer research.
Targets(IC <sub>50</sub> )	MEK
In vitro	Refametinib R enantiomer is the R enantiomer of Refametinib. It functions as an MEK inhibitor and is used in the treatment of cancer and other hyperproliferative diseases.[1]

## Solubility Information

Solubility	DMSO: 55 mg/mL (96.1 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	1.7472 mL	8.7361 mL	17.4721 mL
5 mM	0.3494 mL	1.7472 mL	3.4944 mL
10 mM	0.1747 mL	0.8736 mL	1.7472 mL
50 mM	0.0349 mL	0.1747 mL	0.3494 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

Andreas Maderna, et al. N-(arylamino)-sulfonamide inhibitors of mek. WO 2007014011 A2.

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