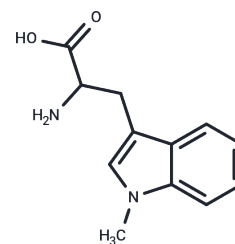


(Rac)-Indoximod

Chemical Properties

CAS No. :	26988-72-7
Formula:	C ₁₂ H ₁₄ N ₂ O ₂
Molecular Weight:	218.25
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	(Rac)-Indoximod (1-Methyl-DL-tryptophan) is a potent inhibitor of indoleamine 2,3-dioxygenase (IDO). Combined treatment with IFN- γ and (Rac)-Indoximod significantly suppresses the activity of α -SMA-expressing human cardiac myofibroblasts (hCMs) and promotes apoptosis by up-regulating the genes IRF-1, Fas, and FasL, effectively improving cardiac fibrosis[1].
Targets(IC50)	Apoptosis,Others,IDO,Indoleamine 2,3-Dioxygenase (IDO)
In vitro	(Rac)-Indoximod (1-Methyl-DL-tryptophan; 0.5 mM; 3 days) mitigates the effects of tryptophan depletion, partially countering IFN- γ -induced growth suppression in human cardiac myofibroblasts (hCMs), but ultimately leads to cell death regardless of tryptophan levels, as shown by a Cell Viability Assay where viability declined notably by the third day.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5819 mL	22.9095 mL	45.819 mL
5 mM	0.9164 mL	4.5819 mL	9.1638 mL
10 mM	0.4582 mL	2.291 mL	4.5819 mL
50 mM	0.0916 mL	0.4582 mL	0.9164 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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