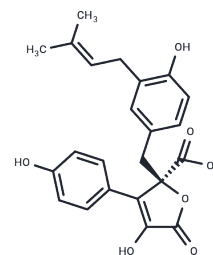


Butyrolactone Ia

Chemical Properties

CAS No. :	942986-92-7
Formula:	C ₂₃ H ₂₂ O ₇
Molecular Weight:	410.417
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	Butyrolactone Ia is an inhibitor of NO production, with an IC ₅₀ of 18 μM. It suppresses the mRNA expression of iNOS and inflammatory cytokine IL-1β induced by LPS. Additionally, Butyrolactone Ia regulates autophagy (autophagy) in HeLa cells and exhibits immunosuppressive activity.
Targets(IC ₅₀)	NO Synthase, Autophagy, Interleukin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4365 mL	12.1826 mL	24.3653 mL
5 mM	0.4873 mL	2.4365 mL	4.8731 mL
10 mM	0.2437 mL	1.2183 mL	2.4365 mL
50 mM	0.0487 mL	0.2437 mL	0.4873 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

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481