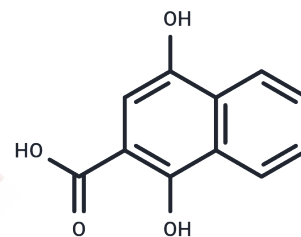


1,4-Dihydroxy-2-naphthoic acid

Chemical Properties

CAS No. :	31519-22-9
Formula:	C ₁₁ H ₈ O ₄
Molecular Weight:	204.18
Storage:	Keep away from moisture, Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1,4-Dihydroxy-2-naphthoic acid is a bacterially derived metabolite that functions as an aryl hydrocarbon receptor (AhR) agonist and has been reported to possess anti-inflammatory activity. The ability of 1,4-Dihydroxy-2-naphthoic acid to modulate AhR signaling pathways supports the use of 1,4-Dihydroxy-2-naphthoic acid in investigations of host-microbiome interactions, inflammatory signaling networks, immune regulation, and receptor-mediated cellular responses.
Targets(IC50)	AhR

Solubility Information

Solubility	DMSO: 140 mg/mL (685.67 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8976 mL	24.4882 mL	48.9764 mL
5 mM	0.9795 mL	4.8976 mL	9.7953 mL
10 mM	0.4898 mL	2.4488 mL	4.8976 mL
50 mM	0.098 mL	0.4898 mL	0.9795 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

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