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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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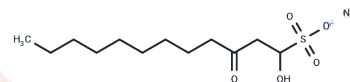
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Sodium Houttuyfonate

Chemical Properties

CAS No. :	83766-73-8
Formula:	C ₁₂ H ₂₃ NaO ₅ S
Molecular Weight:	302.36
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sodium Houttuyfonate (Houttuynin sodium bisulfite), the active compound of the Houttuynia plant, is mainly used for treating purulent skin infections, respiratory tract infections, including pneumonia in elderly patients, and chronic bronchitis.
Targets(IC50)	NF-κB,Antibacterial,Antifungal
In vitro	Treatment with sodium houttuyfonate results in an increase in the expression of c-Fos protein in macrophages, while the phosphorylation level of extracellular signal-related kinase 1/2 (ERK1/2) is not affected by the treatment[1].
In vivo	Sodium houttuyfonate has been shown to protect against cationized bovine serum albumin (C-BSA)-induced glomerulonephritis in BALB/C mice through the suppression of the urine protein, morphological character and monocyte chemotactic protein 1 (MCP-1) [1].

Solubility Information

Solubility	DMSO: 20 mg/mL (66.15 mM),Sonication is recommended. H ₂ O: 3.33 mg/mL (11.02 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	3.3073 mL	16.5366 mL	33.0732 mL
5 mM	0.6615 mL	3.3073 mL	6.6146 mL
10 mM	0.3307 mL	1.6537 mL	3.3073 mL
50 mM	0.0661 mL	0.3307 mL	0.6615 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

Chen J, Wang W, Shi C, Fang J. A comparative study of sodium houttuynfonate and 2-undecanone for their in vitro and in vivo anti-inflammatory activities and stabilities. Int J Mol Sci. 2014;15(12):22978-22994. Published 2014 Dec