

Asaraldehyde

Chemical Properties

CAS No.:	T22588
Formula:	C ₁₀ H ₁₂ O ₄
Molecular Weight:	196.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Asaraldehyde is a natural COX-2 inhibitor, showing 17-fold selectivity over COX-1.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.097 mL	25.484 mL	50.968 mL
5 mM	1.019 mL	5.097 mL	10.194 mL
10 mM	0.51 mL	2.548 mL	5.097 mL
50 mM	0.102 mL	0.51 mL	1.019 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Camps M, Rückle T, Ji H et al. Blockade of PI3K-gamma suppresses joint inflammation and damage in mouse models of rheumatoid arthritis. Nat Med. 2005 Sep;11(9):936-43.
2. Hohenester S, Gates A, Wimmer R et al. Phosphatidylinositol-3-kinase p110γ contributes to bile salt-induced apoptosis in primary rat hepatocytes and human hepatoma cells. J Hepatol. 2010 Nov;53(5):918-26.

Inhibitors · Natural Compounds · Compound Libraries

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