# Data Sheet (Cat.No.T27968)



#### M-5011

### **Chemical Properties**

CAS No.: 76604-64-3 Formula: C14H14O2S

Molecular Weight: 246.32

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

## **Biological Description**

Description	M-5011 is a non-steroidal anti-inflammatory drug and immunomodulator potentially for
	the treatment of inflammation and pain. M-5011 had an effective antinociceptive
	activity (ED50 value) of 0.63 mg/kg. M-5011 partially inhibits the generalized bone loss
· ·	accompanying the development of collagen-induced arthritis in rats. M-5011 is a useful
	NSAID that shows potent antinociceptive effects with low ulcerogenic activities.

### **Preparing Stock Solutions**

	1mg	5mg	10mg	
1 mM	4.0598 mL	20.2988 mL	40.5976 mL	
5 mM	0.812 mL	4.0598 mL	8.1195 mL	
10 mM	0.406 mL	2.0299 mL	4.0598 mL	
50 mM	0.0812 mL	0.406 mL	0.812 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

Horisawa E, Danjo K, Haruna M. Physical properties of solid dispersion of a nonsteroidal anti-inflammatory drug (M-5011) with Eudragit E. Drug Dev Ind Pharm. 2000 Dec;26(12):1271-8. PubMed PMID: 11147127.

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