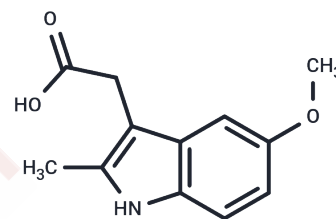


N-Deschlorobenzoyl indomethacin

Chemical Properties

CAS No. :	2882-15-7
Formula:	C ₁₂ H ₁₃ NO ₃
Molecular Weight:	219.24
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	N-Deschlorobenzoyl indomethacin is the primary metabolite of indomethacin, exhibiting very weak inhibitory activity against AKR1C2 (IC ₅₀ =100 μM) and AKR1C3 (IC ₅₀ >100 μM).
Targets(IC ₅₀)	Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5612 mL	22.8061 mL	45.6121 mL
5 mM	0.9122 mL	4.5612 mL	9.1224 mL
10 mM	0.4561 mL	2.2806 mL	4.5612 mL
50 mM	0.0912 mL	0.4561 mL	0.9122 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.

Reference

Liedtke AJ, et al. Development of potent and selective indomethacin analogues for the inhibition of AKR1C3 (Type 5 17β-hydroxysteroid dehydrogenase/prostaglandin F synthase) in castrate-resistant prostate cancer. J Med Chem. 2013 Mar 28;56(6):2429-46.

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