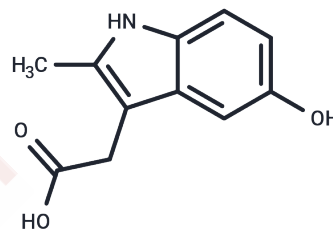


O-Desmethyl-N-deschlorobenzoyl Indomethacin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 50995-53-4 |
| Formula: | C ₁₁ H ₁₁ NO ₃ |
| Molecular Weight: | 205.213 |
| 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 | O-Desmethyl-N-deschlorobenzoyl indomethacin is a metabolite of the non-steroidal anti-inflammatory drug (NSAID) and COX inhibitor indomethacin, formed from indomethacin in isolated rabbit hepatocytes. O-Desmethyl-N-deschlorobenzoyl indomethacin (600 μM) decreases the viability of HL-60 leukemia cells when cultured with glucose oxidase. It has also been used in the synthesis of prostaglandin D2 receptor antagonists. |
| Targets(IC50) | Others,COX,Prostaglandin Receptor |

Solubility Information

| | |
|------------|---|
| Solubility | Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.8731 mL | 24.3653 mL | 48.7306 mL |
| 5 mM | 0.9746 mL | 4.8731 mL | 9.7461 mL |
| 10 mM | 0.4873 mL | 2.4365 mL | 4.8731 mL |
| 50 mM | 0.0975 mL | 0.4873 mL | 0.9746 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

Evans, M.A., Papazafiratou, C., Bhat, R., et al. Indomethacin metabolism in isolated neonatal and fetal rabbit hepatocytes *Pediatr. Res.* 15(11)1406-1410(1981)

Morgan, A.G.M., Babu, D., Michail, K., et al. An evaluation of myeloperoxidase-mediated bio-activation of NSAIDs in promyelocytic leukemia (HL-60) cells for potential cytotoxic selectivity *Toxicol. Lett.* 28048-56(2017)

Torisu, K., Kobayashi, K., Iwahashi, M., et al. Discovery of new chemical leads for prostaglandin D2 receptor antagonists *Bioorg. Med. Chem. Lett.* 14(17)4557-4562(2004)

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