

Product Data Sheet

Product Name: Piroxicam D3

Cat. No.: GC61193

Chemical Properties

Cas. No. 942047-64-5

SMILES O=C(C1=C(O)C2=CC=CC=C2S(N1C([2H])([2H])[2H])(=O)=O)NC3=NC=CC=C3

Formula $C_{15}H_{10}D_3N_3O_4S$ M.Wt 334.36

Solubility DMSO : 50 mg/mL (149.54 mM; Need ultrasonic); H₂O : 0.1 mg/mL (0.30 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

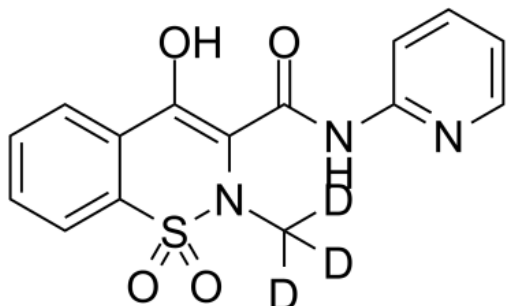
Caution: Product has not been fully validated for medical applications. For research use only.

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Product Data Sheet

Structure



Background

Piroxicam D3 (CP-16171 D3) is deuterium labeled Piroxicam. Piroxicam is a non-steroidal anti-inflammatory drugs, acts as a COX inhibitor, with IC50s of 47, 25 μ M for human monocyte COX-1 and COX-2, respectively [1].

[1]. Kato M, et al. Cyclooxygenase-1 and cyclooxygenase-2 selectivity of non-steroidal anti-inflammatory drugs: investigation using human peripheral monocytes. J Pharm Pharmacol. 2001 Dec;53(12):1679-85.

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