Product Data Sheet

Product Name: Piroxicam D3
Cat. No.: GC61193

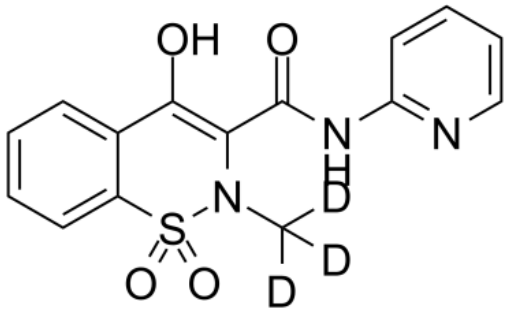
Chemical Properties

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); H_2O : 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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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 μM 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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