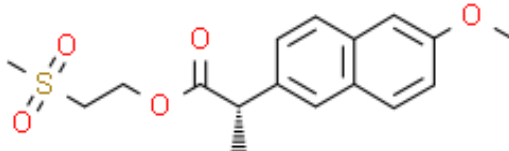


Product Data Sheet

Cas No.:	385800-16-8	Cat. No:	PL04920
Product Name:	Naproxen etemesil		
Product synonym:	2-methylsulfonylethyl (2S)-2-(6-methoxynaphthalen-2-yl)propanoate		
Chemical name:	Naproxen etemesil		
MF:	C17H20O5S	FW:	336.402704238892
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	S(C)(CCOC([C@@H](C)C1C=CC2C=C(C=CC=2C=1)OC)=O)(=O)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Naproxen etemesil 是一种亲脂性，非酸性，无活性的前体药物，一旦被吸收，Naproxen etemesil 就会水解成具有药理活性的Naproxen。Naproxen是COX-1 和 COX-2 的抑制剂，在细胞试验中 IC50 值分别为8.72 和5.15 μM。

生物活性	Naproxen etemesil is a lipophilic, non-acidic, inactive prodrug of naproxen that is hydrolysed to pharmacologically active Naproxen once absorbed. Naproxen is a COX-1 and COX-2 inhibitor with IC 50 s of 8.72 and 5.15 μM, respectively in cell assay.
IC50 & Target[1][2]	IC50: 8.72 μM (COX-1), 5.15 μM (COX-2)
体外研究(In Vitro)	Naproxen etemesil is a lipophilic, non-acidic, inactive prodrug of naproxen that is hydrolysed to pharmacologically active Naproxen once absorbed. Naproxen is a well known nonsteroidal anti-inflammatory drug. Naproxen is approximately equipotent inhibitor of COX-1 and COX-2 in intact cells with IC50s of 2.2 μg/mL and 1.3 μg/mL, respectively. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	Naproxen exerts an anti-inflammatory and antifibrotic effect in mouse model of bleomycin-induced lung fibrosis. Naproxen also downregulates TGF- β levels and Smad3/4 complex formation. Naproxen is shown to inhibit the time-courses of pain, fever and PGE2 with similar potencies (IC 50 =27, 40, 13 μ M). has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 100 mg/mL (297.27 mM; Need ultrasonic)配制储备液