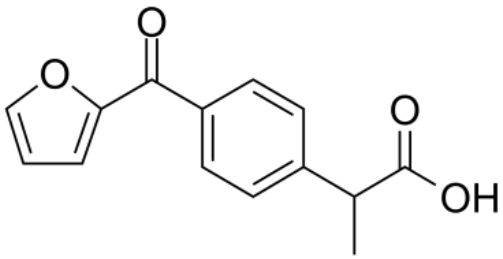
Product Data Sheet

Product Name: Furprofen
Cat. No.: GC38379

Chemical Properties

Cas. No.	66318-17-0		
SMILES	O=C(C1=CC=CO1)C2=CC=C(C(C)C(O)=O)C=C2		
Formula	$C_{14}H_{12}O_4$	M.Wt	244.24
Solubility	Ethanol: 100 mg/mL (409.43 mM); DMSO: 62.5 mg/mL (255.90 mM)	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.		
Structure			



Background

Furprofen is an non-steroidal anti-inflammatory drug (NSAID) with analgesic properties[1]. Furprofen acts via the inhibition of prostaglandin (PGE) synthesis. Furprofen can be treated orally for the relief of pain[2][3].

[1]. Carlucci G, et al. A high performance liquid chromatographic procedure for the simultaneous determination of norfloxacin and furprofen in rat plasma. Biomed Chromatogr. 1993 May-

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Jun;7(3):126-8. [2]. Locatelli M, et al. Microextraction by packed sorbent and high performance liquid chromatography determination of seven non-steroidal anti-inflammatory drugs in human plasma and urine. J Chromatogr A. 2014 Nov 7;1367:1-8.