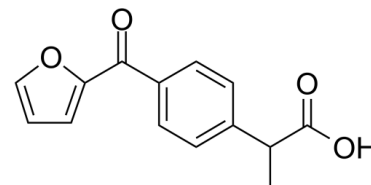


Data Sheet

Product Name:	Furprofen
Cat. No.:	CS-0026888
CAS No.:	66318-17-0
Molecular Formula:	C ₁₄ H ₁₂ O ₄
Molecular Weight:	244.24
Target:	PGE synthase
Pathway:	Immunology/Inflammation
Solubility:	Ethanol : 100 mg/mL (409.43 mM; Need ultrasonic); DMSO : 62.5 mg/mL (255.90 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Furprofen is a 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]}. IC50 & Target: PGE^[1]

References:

[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-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.

CAIndexNames:

Benzeneacetic acid, 4-(2-furanylcarbonyl)- α -methyl-

SMILES:

O=C(C1=CC=CO1)C2=CC=C(C(C)C(O)=O)C=C2

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

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