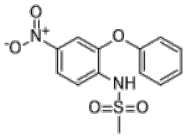
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Data Sheet

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Product Name	:	Nimesulide
Cat. No.	:	PC-28646
CAS No.	:	51803-78-2
Molecular Formula	:	$C_{13}H_{12}N_2O_5S$
Molecular Weight	:	308.31
Target	:	Cyclooxygenase (COX)
Solubility	:	10 mM in DMSO



Biological Activity

Nimesulide (R805) is a non-steroid anti-inflammatory agent and selective COX-2 inhibitor with IC50s of 70 nM-70 μM in a time-dependent manner, shows no effect on COX-1 (IC50 >100 μM), exhibits potent anti-inflammatory, analgesic and antipyretic properties.

References

Vago T, et al. Arzneimittelforschung. 1995 Oct;45(10):1096-8.

Werner MF, et al. Eur J Pharmacol. 2006 Aug 14;543(1-3):181-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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