

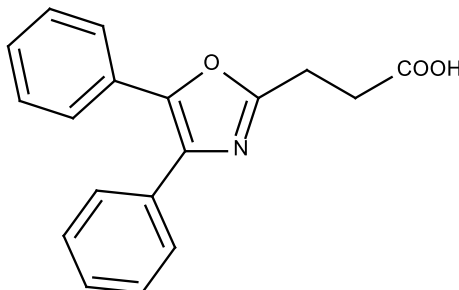
Catalog # 10-1128

Oxaprozin

CAS# 21256-18-8

4,5-Diphenyl-2-oxazolepropanoic acid

Lot# X104112



Oxaprozin is a clinically useful non-steroidal anti-inflammatory drug.¹ In addition to typical NSAID COX inhibition, Oxaprozin may also exert anti-inflammatory effects via inhibition of the Akt/IKK/NF-kappa β pathway.² The compound is capable of inhibiting both anandamide hydrolase in neurons (IC_{50} = 85 μ mol/l), with consequent potent analgesic activity, and NF-kappaB activation in inflammatory cells (IC_{50} = 50 μ mol/l).³

- 1) Merck **14**:6924
- 2) Ottonello *et al.* (2009), *Delayed apoptosis of human monocytes exposed to immune complexes is reversed by oxaprozin: role of the Akt/IkappaB kinase/nuclear factor kappaB pathway*; *Br.J. Pharmacol.*, **157** 294
- 3) Dallegri *et al.* (2005), *A review of the emerging profile of the anti-inflammatory drug oxaprozin.*; *Expert Opin.Pharmacother.*, **6** 777

PHYSICAL DATA

Molecular Weight:	293.32
Molecular Formula:	C ₁₈ H ₁₅ NO ₃
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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