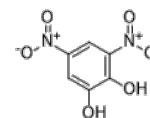


Product Name : OR486
Cat. No. : PC-23347
CAS No. : 7659-29-2
Molecular Formula : C₆H₄N₂O₆
Molecular Weight : 200.11
Target : COMT
Solubility : 10 mM in DMSO



Biological Activity

OR486 (3,5-Dinitroresorcinol, OR-486) is a potent, selective catechol-O-methyltransferase (COMT) inhibitor with IC₅₀ of 12 nM.

OR486 does not inhibit tyrosine hydroxylase, dopamine-beta-hydroxylase, dopa-decarboxylase and monoamine oxidase forms A and B.

OR486 is more effective in reducing the formation of 3-O-methyldopa from levodopa than was the levodopa-carbidopa treatment alone.

References

Nissinen E, et al. Eur J Pharmacol. 1988 Aug 24;153(2-3):263-9.

Werner P, et al. Brain Res. 2001 Mar 2;893(1-2):278-81.

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

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