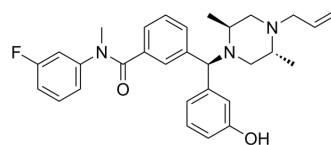


DPI-3290

Cat. No.:	HY-19231
CAS No.:	182417-73-8
Molecular Formula:	C ₃₀ H ₃₄ FN ₃ O ₂
Molecular Weight:	487.61
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DPI-3290 (Org 41793) is a potent and specific opioid receptors agonist with K _i values of 0.18 nM, 0.46 nM, and 0.62 nM for δ-, μ-, and κ-opioid receptors, respectively. DPI-3290 is one of a series of novel centrally acting agents with potent antinociceptive activity ^[1] .	
IC ₅₀ & Target	κ Opioid Receptor/KOR	δ Opioid Receptor/DOR
In Vivo	DPI-3290 (Org 41793) (intravenous; 0.05 mg/kg) produces a 50% antinociceptive response in rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Gengo PJ, et al. DPI-3290 [(+)-3-((alpha-R)-alpha-((2S,5R)-4-allyl-2,5-dimethyl-1-piperazinyl)-3-hydroxybenzyl)-N-(3-fluorophenyl)-N-methylbenzamide]. I. A mixed opioid agonist with potent antinociceptive activity. J Pharmacol Exp Ther. 2003 Dec;307(3):1221-6.

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

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