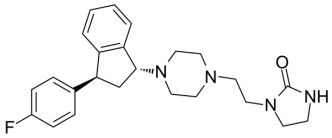
Irindalone

Cat. No.:	HY-101632
CAS No.:	96478-43-2
Molecular Formula:	$C_{24}H_{29}FN_4O$
Molecular Weight:	408.51
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Irindalone is a novel serotonin 5-HT_2 antagonist.
IC_{50} & Target	5-HT_2 Receptor
In Vitro	Irindalone causes a concentration-related inhibition of serotonin-induced contractions and shifts the serotonin curve to the right. Irindalone is more potent in inhibiting the serotonin-induced contractions. Irindalone has a similar profile in vitro, with a high affinity for serotonin 5-HT_2 receptors and about a 10 times lower affinity for α_1-adrenoceptors[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Irindalone dose dependently lowers the blood pressure in spontaneously hypertensive rats (SHR) and renal hypertensive dogs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mikkelsen EO, et al. Comparison of the effect of irindalone, a novel serotonin 5-HT2 antagonist and ketanserin on mechanical responses of rat thoracic aorta. Eur J Pharmacol. 1988 Apr 27;149(1-2):145-8.

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