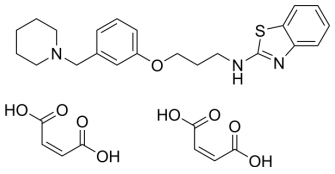
Zolantidine dimaleate

Cat. No.:	HY-101373A
CAS No.:	104076-39-3
Molecular Formula:	$C_{30}H_{35}N_3O_9S$
Molecular Weight:	613.68
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Zolantidine dimaleate (SKF 95282 dimaleate) is a potent, selective and cross the blood-brain barrier histamine H2 antagonist. Zolantidine dimaleate induces antinociception[1][2].
IC_{50} & Target	H_2 Receptor
In Vivo	Zolantidine dimaleate (5, 10, 20, 40 mg/kg; s.c.) induces antinociception in cholestatic rats[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	200-250 g, male Wistar rats (cholestatic rats)[2]
Dosage:	5, 10, 20, 40 mg/kg
Administration:	S.c.
Result:	Significantly increased tail-flick latencies and induced antinociception.

REFERENCES

[1]. Calcutt CR, et al. Zolantidine (SK&F 95282) is a potent selective brain-penetrating histamine H2-receptor antagonist. Br J Pharmacol. 1988 Jan;93(1):69-78.

[2]. Hasanein P. Two histamine H2 receptor antagonists, zolantidine and cimetidine, modulate nociception in cholestatic rats. J Psychopharmacol. 2011 Feb;25(2):281-8.

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