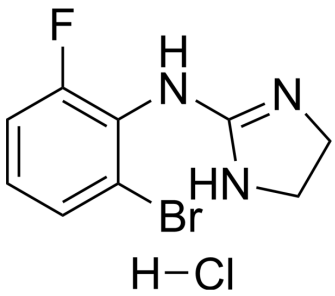
Romifidine hydrochloride

Cat. No.:	HY-119456A
CAS No.:	65896-14-2
Molecular Formula:	$C_9H_{10}BrClFN_3$
Molecular Weight:	294.55
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Romifidine hydrochloride is an α_2 adrenergic receptor agonist. Romifidine hydrochloride shows sedation effects in vivo[1][2].
In Vivo	Romifidine hydrochloride (80 μg/kg; i.v. once) produces sedative effects with significantly greater drooping during the 45-90 min time period in welsh mountain ponies[1]. Romifidine hydrochloride (40, 80 and 120 mg/kg; i.v. at seven-day intervals) shows a shallower and shorter-lived sedation than with detomidine in horses[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. England GC, et al. A comparison of the sedative effects of three alpha 2-adrenoceptor agonists (romifidine, detomidine and xylazine) in the horse. J Vet Pharmacol Ther. 1992 Jun;15(2):194-201.

[2]. Hamm D, et al. Sedative and analgesic effects of detomidine and romifidine in horses. Vet Rec. 1995 Apr 1;136(13):324-7.

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