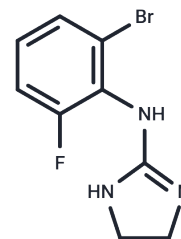


Romifidine

Chemical Properties

CAS No. :	65896-16-4
Formula:	C ₉ H ₉ BrFN ₃
Molecular Weight:	258.09
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Romifidine (Romifidinum) is an α 2-adrenoceptor agonist with analgesic and anti-injurious properties and is used in the study of neurological disorders.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 100 mg/mL (387.46 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8746 mL	19.3731 mL	38.7462 mL
5 mM	0.7749 mL	3.8746 mL	7.7492 mL
10 mM	0.3875 mL	1.9373 mL	3.8746 mL
50 mM	0.0775 mL	0.3875 mL	0.7749 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- 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.
- Hamm D, et al. Sedative and analgesic effects of detomidine and romifidine in horses. Vet Rec. 1995 Apr 1;136(13):324-7.
- Ismail ZB. Epidural analgesia in cattle, buffalo, and camels. Vet World. 2016 Dec;9(12):1450-1455.
- Sanchez LC, Robertson SA. Pain control in horses: what do we really know? Equine Vet J. 2014 Jul;46(4):517-23.

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