
Product Data Sheet

Product Name: Romifidine

Cat. No.: GC67683

Chemical Properties

Cas. No. 65896-16-4

Formula $C_9H_9BrFN_3$

M.Wt 258.09

Solubility DMSO : 250 mg/mL (968.65 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Romifidine is an **α_2 adrenergic receptor** agonist. Romifidine shows sedation effects in vivo^{[1][2]}.

Romifidine (80 μ g/kg; i.v. once) produces sedative effects with significantly greater drooping during the 45-90 min time period in welsh mountain ponies^[1].

Romifidine (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].

[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.

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

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