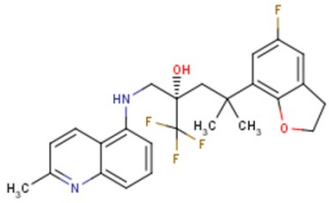
Data Sheet (Cat.No.T13451)

TargetMol
A DRUG SCREENING EXPERT

(S)-Mapracorat

Chemical Properties



CAS No.:	887375-15-7
Formula:	C25H26F4N2O2
Molecular Weight:	462.48
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	(S)-Mapracorat is a selective and less active agonist of glucocorticoid receptor.
Targets(IC_{50})	Others: None
In vivo	During the 60-minute observation period, intradermal injection of compound 48/80 (50 µg in 50 µL saline) resulted in a significant wheal and flare reaction. Topical pre-treatment with (S)-Mapracorat (0.1%) leads to significant reduction in the wheal and flare responses compared to vehicle (acetone) treated areas.

Solubility Information

Solubility	DMSO: 50.6 mg/mL (109.41 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.162 mL	10.811 mL	21.623 mL
5 mM	0.432 mL	2.162 mL	4.325 mL
10 mM	0.216 mL	1.081 mL	2.162 mL
50 mM	0.043 mL	0.216 mL	0.432 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Bäumer W , et al. The selective glucocorticoid receptor agonist mapracorat displays a favourable safety-efficacy ratio for the topical treatment of inflammatory skin diseases in dogs. Vet Dermatol. 2017 Feb; 28(1):46-e11.

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