

Product Data Sheet

Product Name: Mapracorat

Cat. No.: GC19239

Chemical Properties

Cas. No. 887375-26-0

SMILES CC(C)(C1=C(OCC2)C2=CC(F)=C1)C[C@@](O)(CNC3=C4C=CC(C)=NC4=CC=C3)C(F)(F)F

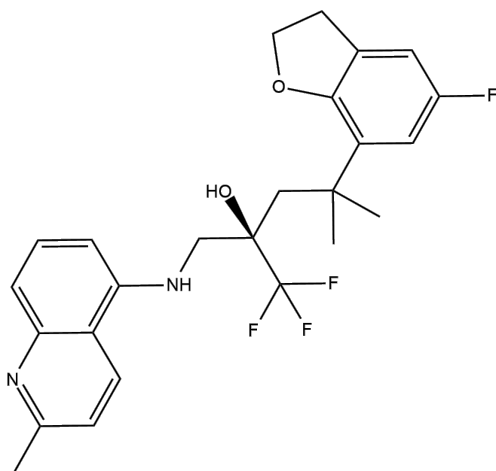
Formula $C_{25}H_{26}F_4N_2O_2$ M.Wt 462.48

Solubility DMSO : ≥ 50.6 mg/mL (109.41 mM) 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

Mapracorat is a novel non-steroidal selective glucocorticoid receptor agonist.

Mapracorat concentration dependently inhibited $\text{TNF}\alpha$ secretion from activated canine PBMC with IC_{50} value of approximately 0.2 nM.

Intradermal injection of compound 48/80 (50 ug in 50 uL saline) resulted in a clear wheal and flare reaction over the 60 min observation period. Topical pre-treatment with mapracorat (0.1%) and

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triamcinolone acetonide (0.015%) led to significant reduction in the wheal and flare responses compared to vehicle (acetone) treated areas. However, once daily topical administration of triamcinolone acetonide significantly reduced skin fold thickness from day 8 to 14, whereas no such reduction was observed for mapracorat.

References:

- [1]. Baumer 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.
- [2]. Baiula M, et al. Mapracorat, a novel non-steroidal selective glucocorticoid receptor agonist for the treatment of allergic conjunctivitis. *Inflamm Allergy Drug Targets.* 2014; 13(5):289-98.

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