

Product Name	: Mapracorat
Synonyms	: ZK 245186; BOL 303242X; BAY-865319
Cat No.	: M16416
CAS Number	: 887375-26-0
Molecular Formula	: C ₂₅ H ₂₆ F ₄ N ₂ O ₂
Formula Weight	: 462.49
Chemical Name	: (2R)-1, 1, 1-trifluoro-4-(5-fluoro-2,3-dihydro-1-benzofuran-7-yl)-4-methyl-2-[[[(2-methylquinolin-5-yl)amino]methyl]pentan-2-ol
Description	Mapracorat (ZK 245186) is a potent, selective and non-steroid glucocorticoid receptor (GR) agonist with binding K _i of 1.9 nM; does not show significant activity for ERα, PR, AR or MR; shows anti-inflammatory efficacy after topical application similar to the classical glucocorticoids, with a better safety profile. Psoriasis Phase 1 Clinical
Pathway	: Endocrinology/Hormones
Target	: GR
Receptor	: GR
Solubility	: DMSO : ≥ 33.6 mg/mL 72.65 mM
SMILES	: <chem>CC(C)(C1=CC(F)=CC2=C1OCC2)C[C@@](O)(CNC3=C4C=CC(C)=NC4=CC=C3)C(F)(F)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Schcke H, et al. Br J Pharmacol. 2009 Oct;158(4):1088-103. | 2. Zhang JZ, et al. Mol Vis. 2009 Dec 8;15:2606-16. | 3. Shafiee A, et al. Invest Ophthalmol Vis Sci. 2011 Mar 14;52(3):1422-30.