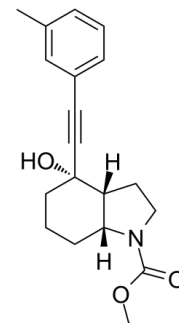


Data Sheet

Product Name:	Mavoglurant (racemate)
Cat. No.:	CS-6126
CAS No.:	1636881-61-2
Molecular Formula:	C ₁₉ H ₂₃ NO ₃
Molecular Weight:	313.39
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Solubility:	DMSO : 50 mg/mL (159.55 mM; Need ultrasonic)



relative stereochemistry

BIOLOGICAL ACTIVITY:

Mavoglurant (racemate) is the racemate of mavoglurant. Mavoglurant is a novel, non-competitive mGlu5 receptor antagonist. **In Vitro:** For antagonistic activity, (–)-mavoglurant, the (–)-enantiomer shows IC₅₀ of 0.11 μM and 0.03 μM (Ca²⁺ and PI-turnover) whereas the (+)-enantiomer ((+)-10) shows only 37% and 18% inhibition at 10 μM^[1].

References:

[1]. Vranesic I, et al. AFQ056/mavoglurant, a novel clinically effective mGluR5 antagonist: identification, SAR and pharmacological characterization. Bioorg Med Chem. 2014 Nov 1;22(21):5790-80

CAIndexNames:

1H-Indole-1-carboxylic acid, octahydro-4-hydroxy-4-[2-(3-methylphenyl)ethynyl]-, methyl ester, (3aR,4S,7aR)-rel-

SMILES:

O=C(N1CC[C@@]2([H])[C@@](C#CC3=CC=CC(C)=C3)(O)CCC[C@@]12[H])OC

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

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