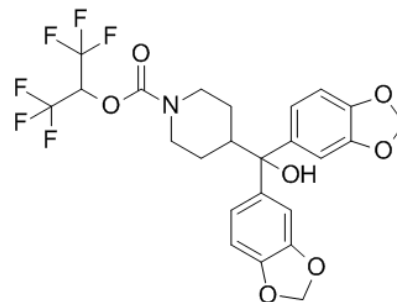


Product Name : KML-29
Cat. No. : PC-45584
CAS No. : 1380424-42-9
Molecular Formula : C₂₄H₂₁F₆NO₇
Molecular Weight : 549.4164
Target : Monoacylglycerol Lipase (MAGL)
Solubility : 10 mM in DMSO



Biological Activity

A potent, highly selective MAGL (monoacylglycerol lipase) inhibitor with IC₅₀ of 15 nM; shows no cross-activity with FAAH or other serine hydrolases; potently inhibits 2-AG hydrolysis, but does not affect AEA hydrolysis; reduces inflammatory and neuropathic nociceptive behaviour without occurrence of cannabimimetic side effects.

References

Ignatowska-Jankowska BM, et al. Br J Pharmacol. 2014 Mar;171(6):1392-407.

Pasquarelli N, et al. Neuropharmacology. 2015 Apr;91:148-56.

Chang JW, et al. Chem Biol. 2012 May 25;19(5):579-88.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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