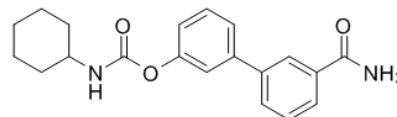


Product Name : URB-597
Cat. No. : PC-42720
CAS No. : 546141-08-6
Molecular Formula : C₂₀H₂₂N₂O₃
Molecular Weight : 338.4003
Target : FAAH
Solubility : 10 mM in DMSO



Biological Activity

URB-597 (KDS-4103) is a potent and selective **FAAH** inhibitor with IC₅₀ of 4.6 nM.

URB-597 (KDS-4103) increases anandamide levels in the brain of rats and wild-type mice (0.3 mg/kg i.p.).

URB-597 (KDS-4103) improves cognitive impairment by inhibiting mTOR-dependent autophagy in a CCH model.

References

Fegley D, et al. *J Pharmacol Exp Ther.* 2005 Apr;313(1):352-8.

Mor M, et al. *J Med Chem.* 2004 Oct 7;47(21):4998-5008.

Wang D, et al. *Neuroscience.* 2017 Mar 6;344:293-304.

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

E-mail: tech@probechem.com