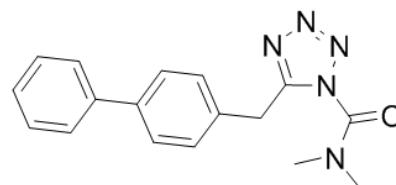


Product Name : LY2183240
Cat. No. : PC-42721
CAS No. : 874902-19-9
Molecular Formula : C₁₇H₁₇N₅O
Molecular Weight : 307.3498
Target : FAAH
Solubility : 10 mM in DMSO



Biological Activity

A highly potent blocker of anandamide uptake with IC₅₀ of 270 pM in cellular assay; inhibits the putative endocannabinoid (EC) transporter, and disrupts the cellular uptake of the lipid EC anandamide and promote analgesia in vivo; proved to be a potent, covalent inhibitor of EC-degrading enzyme FAAH (IC₅₀=12.4 nM) and several other serine hydrolases in vivo (MAGL, α/β-hydrolase 6, KIAA1363).

References

- Moore SA, et al. Proc Natl Acad Sci U S A. 2005 Dec 6;102(49):17852-7.
Alexander JP, et al. J Am Chem Soc. 2006 Aug 2;128(30):9699-704.
Powers MS, et al. Psychopharmacology (Berl). 2010 Dec;212(4):571-83.

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

E-mail: tech@probechem.com