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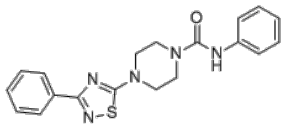
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	JNJ-1661010
Cat. No.	:	PC-21982
CAS No.	:	681136-29-8
Molecular Formula	:	$C_{19}H_{19}N_5OS$
Molecular Weight	:	365.46
Target	:	FAAH
Solubility	:	10 mM in DMSO



Biological Activity

JNJ-1661010 (Takeda-25) is a potent and selective fatty acid amide hydrolase (FAAH) inhibitor with IC50 of 34 and 33 nM for rat FAAH and human FAAH, respectively.
JNJ-1661010 is >100-fold preferentially selective for FAAH-1 when compared to FAAH-2.
JNJ-1661010 dose-dependently increases arachidonoyl ethanolamide, oleoyl ethanolamide, and palmitoyl ethanolamide in the rat brain.
JNJ-1661010 attenuates tactile allodynia in the rat mild thermal injury model of acute tissue damage and in the rat spinal nerve ligation (Chung) model of neuropathic pain.
JNJ-1661010 also diminishes thermal hyperalgesia in the inflammatory rat carrageenan paw model.

References

Keith JM, et al. Bioorg Med Chem Lett. 2008 Sep 1;18(17):4838-43.

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