Catalog # 10-1298

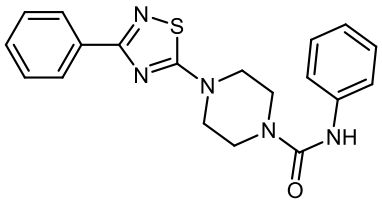
JNJ-1661010

CAS# 681136-29-8

N-Phenyl-4-(3-phenyl-1,2,4-thiadiazol-5-yl)-1-piperazinecarboxamide

4-(3-Phenyl-[1,2,4]thizdiazol-5-yl)-piperazine-1-carboxylic acid pehnylamide

Lot # X104139



Potent and selective FAAH inhibitor. Initially forms a covalent adduct with FAAH but is slowly released, IC_{50} = 12 nM. 100-fold selectivity for FAAH-1 over FAAH-2. Cell permeable and active *in vivo*. Displays analgesic activity in various animal models.

1) Karbarz *et al*. (2009), *Biochemical and biological properties of 4-(3-phenyl-[1,2,4]thiadiazol-5-yl)-piperazine-1-carboxylic acid phenylamide, a mechanism-based inhibitor of fatty acid amide hydrolase*; Anesth. Analg., **108** 316

PHYSICAL DATA

Molecular Weight:	365.46
Molecular Formula:	$C_{19}H_{19}N_5OS$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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