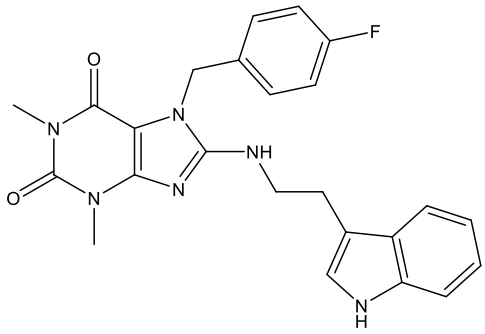
Catalog #10-4918

PSB-KK1445

CAS# 885896-54-8

8-((2-(1H-Indol-3-yl)ethyl)amino)-7-(4-fluorobenzyl)-1,3-dimethyl-3,7-dihydro-1H-purine-2,6-dione; 7-[(4-Fluorophenyl)methyl]-8-[2-(1H-indol-3-yl)ethylamino]-1,3-dimethylpurine-2,6-dione

Lot # FBA9202



PSB-KK1445 is a potent (EC_{50} = 45.4 nM human; 124 nM mouse) and highly selective (>200-fold over CB1, CB2, GPR55, and GPR183) GPR18 agonist. A new chemical tool to explore the role of GPR18 in cancer and immunology.

1) Mahardhika *et al.* (2024), *Potent, Selective Agonists for the Cannabinoid-like Orphan G Protein-Coupled Receptor GPR18: A Promising Drug Target for Cancer and Immunity*; J.Med.Chem. **67** 9896

PHYSICAL DATA

Molecular Weight:	446.49
Molecular Formula:	$C_{24}H_{23}FN_6O_2$
Purity:	>98% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO (at least 75 mg/mL)
Physical Description:	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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