

Product Name : Compound 101

Synonyms : GRK2 inhibitor 101; Takeda compound 101; Cmpd101

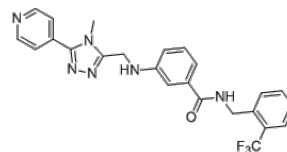
Cat No. : M16288

CAS Number : 865608-11-3

Molecular Formula : C₂₄H₂₁F₃N₆O

Formula Weight : 466.47

Chemical Name : 3-(((4-methyl-5-(pyridin-4-yl)-4H-1,2,4-triazol-3-yl)methyl)amino)-N-(2-(trifluoromethyl)benzyl)benzamide



Description : Compound 101 (GRK2 inhibitor 101, Takeda compound 101, Cmpd101) is a novel membrane-permeable, small-molecule inhibitor of GRK2 and GRK3; inhibits the desensitization of the G protein-activated inwardly-rectifying potassium current evoked by receptor-saturating concentrations of Met-Enk, DAMGO, endomorphin-2, and morphine in rat and mouse locus coeruleus neurons; produces complete inhibition of DAMGO-induced MOPr phosphorylation at Ser(375), arrestin translocation, and MOPr internalization in HEK 293 cells.

Pathway : Others

Target : GRK (GPCRK)

Receptor : GRK (GPCRK)

Solubility : —

SMILES : O=C(NCC1=CC=CC=C1C(F)(F)F)C2=CC=CC(NCC3=NN=C(C4=CC=NC=C4)N3C)=C2

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Lowe JD, et al. Mol Pharmacol. 2015 Aug;88(2):347-56.