

VU0810464, Kir3 activator

Catalog	Unit
TBI4662-5MG	5 mg
TBI4662-25MG	25 mg

Product Details

Formal Name: 2-(3-Chloro-4-fluorophenyl)-N-(2-cyclohexyl-5-methylpyrazol-3-yl)acetamide

Molecular Formula: C₁₈H₂₁ClFN₃O

Formula Weight: 349.8

CAS Number: 2126040-21-7

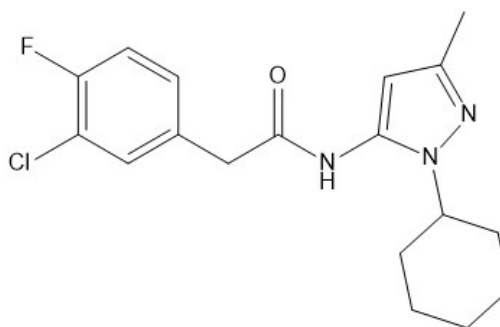
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (> 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years



Applications

Kir3 activator

Functions

VU0810464 is potent (Kir3.1/3.2; GIRK1/2 EC₅₀ = 165 nM) activator of G protein-gated inwardly-rectifying potassium channels (Kir3; GIRK). Displays selectivity for Kir3.1/3.2 versus Kir3.1/3.4 as well as selectivity for neuronal versus cardiac Kir3 channels. VU0810464 reduced stress-induced hyperthermia but not anxiety-related behavior in mice.

Application Procedures

First dissolved in Soluble in DMSO (> 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.