

Catalog	Unit
TBI5666-5MG	5 mg
TBI5666-25MG	25 mg

Product Details

Formal Name: 4-[[6-[Cyclopropylcarbonyl]amino]-4-pyrimidinyl]oxy]-N-[4-[(4-methyl-1-piperazinyl)methyl]-3-(trifluoromethyl)phenyl]-benzeneacetamide

Molecular Formula: C₂₉H₃₁F₃N₆O₃

Formula Weight: 568.60

CAS Number: 1421227-53-3

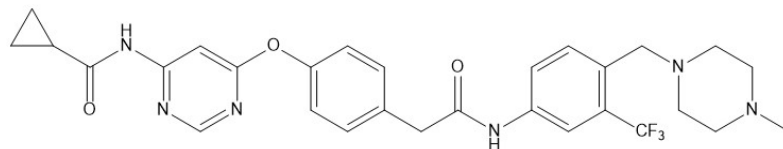
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (30 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Stimulates pancreatic beta-cell proliferation

Functions

Stimulates human β -cell proliferation both in a dispersed islet proliferation assay and in intact human cultures. It has been shown to induce both α - and β -cell proliferation. May lead to the development of new therapeutics for diabetes. Induces adult hippocampal neurogenesis correlating with its antidepressant effect in a rat model of chronic unpredictable mild stress-induced depression. Has been used together with TTNPB and azakenpaullone, as a defined chemical cocktail to induce mouse totipotent stem cells. Cell permeable.

Application Procedures

First dissolved in DMSO (30 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.