

PSB-CB5, GPR18 antagonist

Catalog	Unit
TBI5062-5MG	5 mg
TBI5062-25MG	25 mg

Product Details

Formal Name: (2Z)-2[[3-[(4-Chlorophenyl)methoxy]phenyl]methylene]-6,7-dihydro-5H-imidazo[2,1-b][1,3]thiazin-3(2H)-one

Alternate Names: CID-85469571

Molecular Formula: C₂₀H₁₇ClN₂O₂S

Formula Weight: 384.88

CAS Number: 1627710-30-8

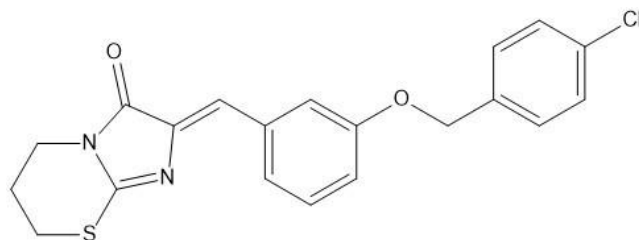
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

GPR18 antagonist

Functions

A potent and selective GPR18 antagonist (IC₅₀ = 0.279 μM) exhibiting >36-fold selectivity against GPR55 and CB1 and 14-fold selectivity against CB2. Inhibits N-arachidonylglycine-induced acrosomal exocytosis in human spermatozoa indicating that GPR18 may be involved in physiological processes of human spermatozoa.

Application Procedures

First dissolved in DMSO (up to 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.