

Catalog	Unit
TBI4912-1MG	1 mg
TBI4912-5MG	5 mg

Product Details

Formal Name: (3S)-N-[2,[2-(Dimethylamino)ethoxy]-4-(1H-pyrazol-4-yl)phenyl]-6-methoxy-3,4-dihydro-2H-chromen-3-carboxamide

Molecular Formula: C₂₄H₂₈N₄O₄

Formula Weight: 436.51

CAS Number: 1273579-40-0

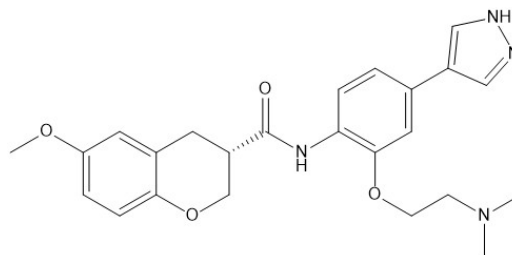
Purity: >99%

Formulation: Powder

Solubility: Soluble in DMSO (50 mg/ml)

Storage: -20°C

Stability: ≥ 1 year



Applications

ROCK II inhibitor / Stem cell cytoprotectant

Functions

Chroman 1 (1273579-40-0) is an extremely potent inhibitor of Rho kinase II (ROCK-II) – it displayed greater selectivity and potency compared to Y-27632 (IC₅₀'s: ROCK I = 52 pM/ROCK II = 1 pM; Y-27632 IC₅₀'s: ROCK I = 71 nM/ROCK II = 46 nM). Chroman 1, used in conjunction with trans-ISRIB (Cat# TBI1539), Emricasan (Cat# TBI4280), and polyamines (CEPT cocktail), promotes cytoprotective cell survival in human pluripotent stem cells (hPSCs) and was found to be superior to Y-27632. Chroman 1 is an important new tool in the generation and maintenance of stem cells.

Application Procedures

First dissolved in DMSO (50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.