

Pyrintegrin, β 1-integrin agonist

Catalog	Unit
TBI5468-5MG	5 mg
TBI5468-25MG	25 mg

Product Details

Formal Name: N-(Cyclopropylmethyl)-4-[[4-(3,4-dihydro-6-hydroxy-1(2H)-quinolinyl)-2-pyrimidinyl]amino]-benzenesulfonamide

Molecular Formula: C₂₃H₂₅N₅O₃S

Formula Weight: 451.5

CAS Number: 1228445-38-2

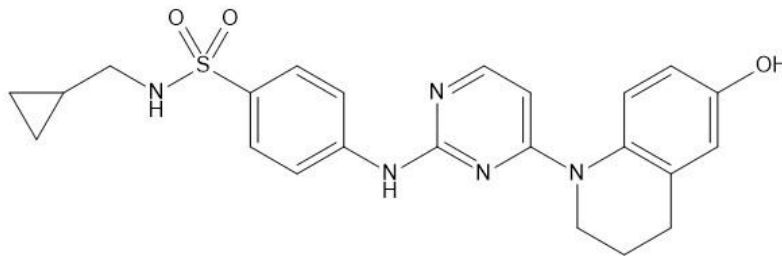
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (45 mg/ml)

Storage: -20°C

Stability: \geq 2 years.



Applications

β 1-integrin agonist

Functions

β 1-integrin agonist that promotes survival of human embryonic stem cells following enzymatic dissociation by enhancing cell-ECM-mediated integrin activity. It induces soft tissue formation from transplanted or endogenous cells via stimulation of adipogenesis and may have potential in soft tissue therapeutic reconstruction and augmentation. It protects podocytes from LPS-induced injury *in vivo*. A very useful tool for exploring the involvement of β 1-integrin signaling in cellular physiology.

Application Procedures

First dissolved in DMSO (45 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.