

Ozanimod, Sphingosine-1-phosphate receptor agonist

Catalog	Unit
TBI3739-5MG	5 mg
TBI3739-25MG	25 mg

Product Details

Formal Name: 5-[3-[(1S)-2,3-Dihydro-1-[(2-hydroxyethyl)amino]-1H-inden-4-yl]-1,2,4-oxadiazol-5-yl]-2-(1-methylethoxy)-benzonitrile

Alternate Name: RPC1063

Molecular Formula: C₂₃H₂₄N₄O₃

Formula Weight: 404.5

CAS Number: 1306760-87-1

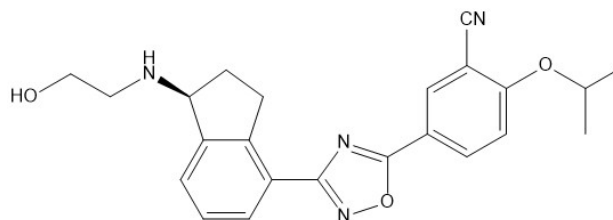
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (5 mg/ml, warm)

Storage: -20°C

Stability: ≥ 2 years



Applications

Sphingosine-1-phosphate receptor agonist

Functions

Binds to human recombinant sphingosine-1-phosphate receptor S1P1 and S1P5 receptors in a competitive radioligand binding assay. Agonism at S1P1 receptors induced receptor internalization whereas S1P5 did not. It displays anti-inflammatory activity and is in clinical use for multiple sclerosis and inflammatory bowel disease. It reduces chronic inflammation and alleviates kidney pathology in systemic lupus erythematosus in a mouse model.

Application Procedures

First dissolved in DMSO (5 mg/ml, warm), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.