

Doramapimod, p38 MAPK inhibitor

| Catalog | Unit |
|--------------|-------|
| TBI2128-5MG | 5 mg |
| TBI2128-25MG | 25 mg |

Product Details

Formal Name: 1-[5-tert-Butyl-2-(4-methylphenyl)pyrazol-3-yl]-3-[4-(2-morpholin-4-ylethoxy)naphthalene-1-yl]urea

Alternate Names: BIRB-796

Molecular Formula: C₃₁H₃₇N₅O₃

Formula Weight: 527.66

CAS Number: 285983-48-4

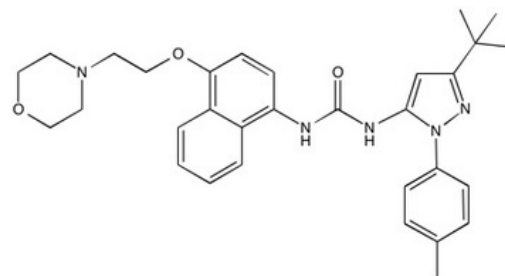
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 30 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

p38 MAPK inhibitor

Functions

Potently and selectively inhibits p38 MAPK by simultaneously binding to the ATP-binding domain and an allosteric site. (IC₅₀=18 nM). Displays anti-inflammatory activity but differential effects on inflammatory genes. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

For research use only.