

Catalog	Unit
TBI3768-5MG	5 mg
TBI3768-25MG	25 mg

Product Details

Formal Name: 3'-[2-[(2Z)-1-(3,4-dimethylphenyl)-1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene]hydrazinyl]-2'-hydroxy-[1,1'-biphenyl]-3-carboxylic acid

Alternate Names: SB-497115

Molecular Formula: C₂₅H₂₂N₄O₄

Formula Weight: 442.47

CAS Number: 496775-61-2

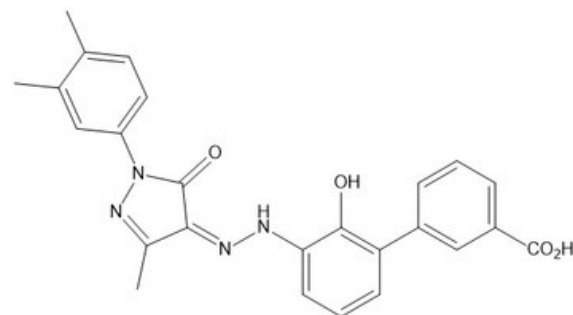
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 55 mg/ml) or in Ethanol (up to 14 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Small molecule thrombopoietin agonist

Functions

A novel, orally active, small molecule human thrombopoietin receptor (TPO-R) agonist, EC₅₀=0.27 μM. Maintains human hematopoietic stem and progenitor cells under inflammatory conditions. Promotes DNA repair in human hematopoietic stem and progenitor cells. Acts as a powerful chelator of cellular and extracellular iron(III). Stimulates hematopoietic stem cells via a TPO-R-independent mechanism involving iron chelation.

Application Procedures

First dissolved in DMSO (up to 55 mg/ml) or in Ethanol (up to 14 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.