

Catalog	Unit
TBI2143-5MG	5 mg
TBI2143-25MG	25 mg

Product Details

Formal Name: 5-(3-Methoxy-4-((4-methoxybenzyl)oxy)benzyl)pyrimidine-2,4-diamine

Molecular Formula: C₂₀H₂₂N₄O₃

Formula Weight: 366.32

CAS Number: 870483-87-7

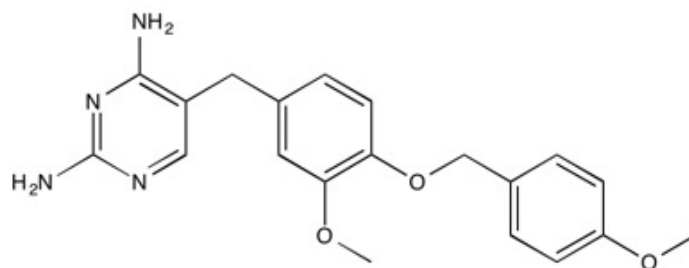
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 40 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

cFMS kinase inhibitor

Functions

Potent and selective inhibitor of cFMS receptor kinase. Completely inhibits cFMS in vitro at 60 nM with no activity against 26 other kinases. Completely inhibits CSF-1 induced growth of mouse M-NFS-60 myeloid cells and human monocytes (at 1 μM). Completely inhibits bone degradation in human osteoclasts, rat calvaria and fetal long bone. Inhibits LPS-induced TNF production in mice. Abrogates infiltration of macrophages into synovial joints of arthritic mice. Active in vivo.

Application Procedures

First dissolved in DMSO (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.