
Catalog	Unit
TBI4468-5MG	5 mg
TBI4468-25MG	25 mg

Product Details

Formal Name: 2-[(4-Hydroxy-1-methyl-7-phenoxyisoquinoline-3-carbonyl)amino]acetic acid

Alternate Names: FG-4592

Molecular Formula: C₁₉H₁₆N₂O₅

Formula Weight: 352.35

CAS Number: 808118-40-3

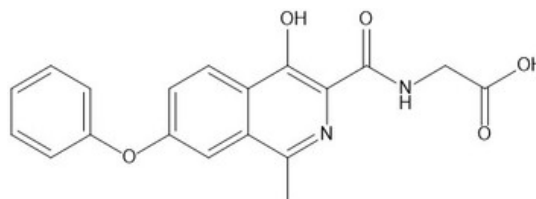
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Prolyl hydroxylase domain inhibitor / HIF stabilizer

Functions

Pan-prolyl hydroxylase domain (PHD) inhibitor (IC₅₀ for PHD2 = 591 nM) that stabilizes hypoxia-inducible factor (HIF) leading to erythropoiesis. Clinically useful for treatment of anemia related to chronic kidney disease. Accelerates cutaneous wound healing and shortens healing time via improvement in epidermal stem cell proliferation and motility and increasing angiogenesis. Displayed radioprotective effects in haematopoietic systems via up-regulation of HIF-1 α , and against atherosclerosis via activation of adipose HIF-2 α .

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.