

FR 180204

Catalog No: tcsc3270



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

865362-74-9

Formula:

$C_{18}H_{13}N_7$

Pathway:

Stem Cell/Wnt;MAPK/ERK Pathway

Target:

ERK;ERK

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 50 mg/mL (152.75 mM)

Observed Molecular Weight:

327.34

Product Description

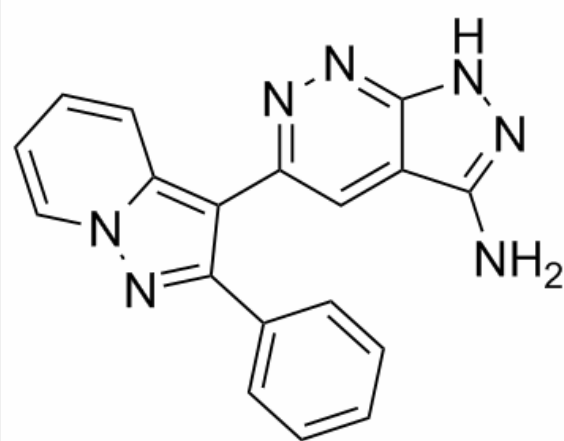
FR 180204 is an ATP-competitive, selective **ERK** inhibitor with **K_i** of 0.31 μ M and 0.14 μ M for ERK1 and ERK2, respectively.

IC50 & Target: Ki: 0.31 μ M (ERK1) 0.14 μ M (ERK2)

In Vitro:

In AP-1-transfected cells, FR180204 dose-dependently inhibits AP-1 transactivation with IC₅₀ of 3.1 μM^[1]. FR 180204 inhibits spontaneous mesothelioma cell growth^[3].

In Vivo: FR180204 (100 mg/kg, i.p., b.i.d.) significantly decreases the severity of symptoms and body weight loss in collagen-induced arthritis mice^[2]. In a mouse model of dengue virus (DENV) infection, FR180204 limits hepatocyte apoptosis, reduces DENV-induced liver injury, and improves clinical parameters^[4].



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