

Riociguat

Catalog No: tcsc0584



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg



Specifications

CAS No:

625115-55-1

Formula:

$C_{20}H_{19}FN_8O_2$

Pathway:

GPCR/G Protein

Target:

Guanylate Cyclase

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 50 mg/mL (118.37 mM)

Alternative Names:

BAY 632521

Observed Molecular Weight:

422.42

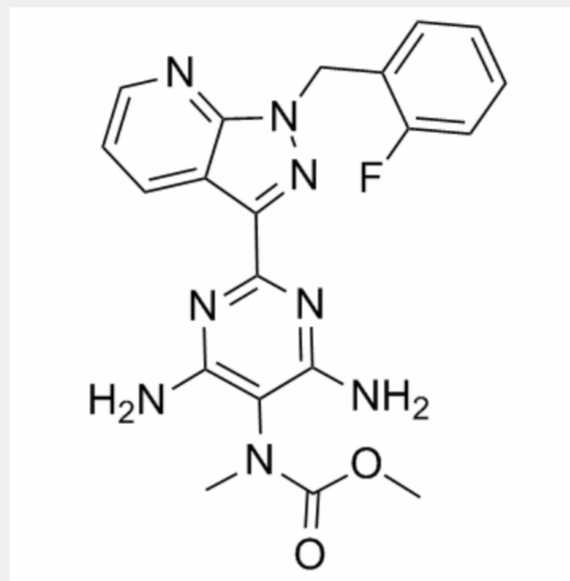
Product Description

Riociguat is an oral stimulator of soluble guanylate cyclase (**sGC**) used in the treatment of pulmonary hypertension.

IC50 & Target: sGC^[1]

In Vitro: Riociguat stimulates the recombinant sGC concentration dependently from 0.1 to 100 μ M with a two-fold to 73-fold effect by an NO-independent but haem-dependent mechanism^[1]. Riociguat inhibits platelet function in washed platelets but not in whole blood, and exerts no direct effects on contractility and relaxation of cardiac myocytes^[2].

In Vivo: Riociguat (10 mg/kg/d, p.o.) partially reverses the pulmonary arterial hypertension, the right heart hypertrophy and the structural remodelling of the lung vasculature in chronic treatment of hypoxic mice and MCT-injected rats^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!