

Product Datasheet

Riociguat (orb1300303)

Catalog Number	orb1300303
Category	Small Molecules
Description	Riociguat (BAY 632521) is a soluble guanylate cyclase (sGC) stimulator used in research for severe pulmonary arterial hypertension. It induces vasodilation by enhancing cGMP signaling and is applied in both in vitro mechanistic studies and in vivo animal models of pulmonary hypertension.
Target	Guanylate cyclase
Purity	99.95% (May vary between batches)
MW	422.42
Target Areas	Guanylate cyclase
Solubility (25°C)	Ethanol: 1 mg/mL (insoluble or slightly soluble);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (4.73 mM);DMSO:40.83 mg/mL (96.66 mM);H2O: 1 mg/mL (insoluble or slightly soluble)
CAS Number	625115-55-1
Formula	$C_{20}H_{19}FN_8O_2$
SMILES	<chem>COC(=O)N(C)c1c(N)nc(nc1N)-c1nn(Cc2cccc2F)c2ncccc12</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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