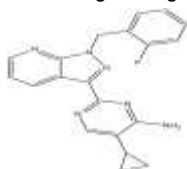


PRODUCT: BAY 41-2272**ALTERNATE NAME:** 5-Cyclopropyl-2-[1-[(2-fluorophenyl)methyl]-1*H*-pyrazolo[3,4-*b*]pyridin-3-yl]-4-pyrimidinamine**CATALOG #:** 9429-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₁₇FN₆**MOLECULAR WEIGHT:** 360.39**CAS NUMBER:** 256376-24-6**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>35 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** BAY 41-2272 is a soluble guanylyl cyclase (sGC) activator; acts at a nitric oxide (NO)-independent regulatory site in the sGC α1 subunit. Inhibits platelet aggregation (IC₅₀ = 36 nM) and phenylephrine-induced contractions of rabbit aorta (IC₅₀ = 0.30 μM). Also reduces vascular smooth muscle growth through cAMP- and cGMP-dependent PKA and PKG pathways.**REFERENCES:** Joshi, C.N., *et al.* (2011). *J. Pharmacol. Exp. Ther.* **339**, 394-402.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**BAY 58-2667 hydrochloride (**Cat. No. 2027-1**)BAY 58-2667, Free base (**Cat. No. 2452-1, 5**)BAY 63-2521 (**Cat. No. 2644-5, 25**)BAY 42-2272 (**Cat. No. 9429-5, 25**)Forskolin (**Cat. No. 1531-5**)ODQ (**Cat. No. 2051-10, 50**)SQ 22536 (**Cat. No. 2019-5, 25**)YC-1 (**Cat. No. 2061-5, 25**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**