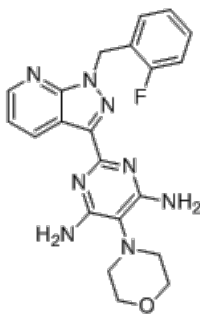


Product Name	: BAY 41-8543	
Synonyms	: BAY 418543	
Cat No.	: M13773	
CAS Number	: 256498-66-5	
Molecular Formula	: C ₂₁ H ₂₁ FN ₈ O	
Formula Weight	: 420.45	
Chemical Name	2-[1-[(2-fluorophenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-3-yl]-5-(4-morpholinyl)-4,6-pyrimidinediamine	
Description	BAY 41-8543 is an NO-independent sGC (soluble guanylyl cyclase) stimulator, inhibits collagen-mediated aggregation in washed human platelets (IC ₅₀ =90 nM); BAY 418543 is a potent direct stimulator of the cyclic GMP/PKG/VASP pathway in platelets and synergizes with NO over a wide range of concentrations. Hypertension Discontinued	
Pathway	: Metabolic Enzyme/Protease	
Target	: Guanylate Cyclase	
Receptor	: Guanylate Cyclase	
Solubility	: —	
SMILES	: <chem>c1ccc(c(c1)Cn2c3c(cccn3)c(n2)c4nc(c(c(n4)N)N5CCOCC5)N)F</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Stasch JP, et al. Br J Pharmacol. 2002 Jan;135(2):333-43.| 2. Stasch JP, et al. Br J Pharmacol. 2002 Jan;135(2):344-55.| 3. Amirjanians M, et al. Oncotarget. 2017 May 2;8(18):29613-29624.