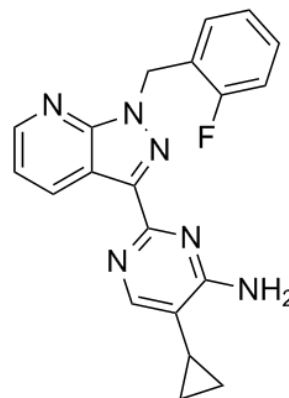


Product Name : BAY 41-2272
Cat. No. : PC-43008
CAS No. : 256376-24-6
Molecular Formula : C₂₀H₁₇FN₆
Molecular Weight : 360.3876
Target : Guanylate Cyclase
Solubility : DMSO: 17.5 mg/mL



Biological Activity

BAY 41-2272 is a potent, NO-independent, orally available **soluble guanylate cyclase (sGC)** stimulator with IC₅₀ of 0.3 μM (relaxation of precontracted aortic rings).

BAY 41-2272 targets the cysteine 238 and cysteine 243 region in the alpha1-subunit of sGC, sensitizes sGC to its physiological stimulator nitric oxide.

BAY 41-2272 potently unloads the heart, increases cardiac output, and preserves glomerular filtration rate without activation of the renin-angiotensin-aldosterone system in experimental congestive heart failure models.

References

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Stasch JP, et al. *Nature.* 2001 Mar 8;410(6825):212-5.

Straub A, et al. *Bioorg Med Chem Lett.* 2001 Mar 26;11(6):781-4.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com