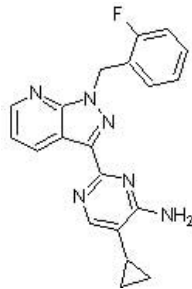


Product datasheet

BAY 41-2272, Soluble guanylyl cyclase (sGC) activator  
 ab144521

Overview

<b>Product name</b>	BAY 41-2272, Soluble guanylyl cyclase (sGC) activator
<b>Description</b>	Soluble guanylyl cyclase (sGC) activator. Potent platelet aggregation inhibitor.
<b>Biological description</b>	Soluble guanylyl cyclase (sGC) activator. Induces cGMP synthesis independent of NO. Potent platelet aggregation inhibitor (IC <sub>50</sub> = 36 nM). Shows antivasoconstrictive effects (IC <sub>50</sub> = 0.30 μM). Induces phagocytosis. Shows vasodilatory effects <i>in vivo</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	256376-24-6
<b>Chemical structure</b>	



Properties

<b>Chemical name</b>	5-Cyclopropyl-2-[1-[(2-fluorophenyl)methyl]pyrazolo[3,4-b]pyridin-3-yl]pyrimidin-4-amine
<b>Molecular weight</b>	360.39
<b>Molecular formula</b>	C <sub>20</sub> H <sub>17</sub> FN <sub>6</sub>
<b>PubChem identifier</b>	9798973
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

**SMILES**

C1CC1C2=CN=C(N=C2N)C3=NN(C4=C3C=CC=N4)CC5=CC=CC=C5F

**Source**

Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Extensive multi-media technical resources to help you
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