

Product Name : BAY 60-6583

Synonyms : BAY606583

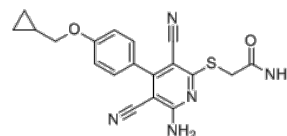
Cat No. : M16539

CAS Number : 910487-58-0

Molecular Formula : C₁₉H₁₇N₅O₂S

Formula Weight : 379.44

Chemical Name : 2-[[6-Amino-3,5-dicyano-4-[4-(cyclopropylmethoxy)phenyl]-2-pyridinyl]thio]acetamide



Description : BAY 60-6583 (BAY606583) is a potent, selective adenosine A_{2B} receptor agonist with EC₅₀ of 2.83 nM (murine A_{2B}R); inhibits fMLP-stimulated superoxide production by either naive neutrophils, TNF- α -primed neutrophils, or neutrophils isolated from mice at 1-10 nM; increases fMLP-stimulated superoxide production at higher concentrations (>1 μ M); exhibits cardioprotective activity, attenuates infarct size in mouse model of myocardial ischemia.

Pathway : Apoptosis

Target : Adenosine Receptor

Receptor : Adenosine Receptor

Solubility : —

SMILES : O=C(N)CSC1=NC(N)=C(C#N)C(C2=CC=C(OCC3CC3)C=C2)=C1C#N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. van der Hoeven D, et al. J Pharmacol Exp Ther. 2011 Sep;338(3):1004-12. | 2. Eckle T, et al. Circulation. 2007 Mar 27;115(12):1581-90. | 3. Teng B, et al. J Mol Cell Cardiol. 2008 May;44(5):905-14.