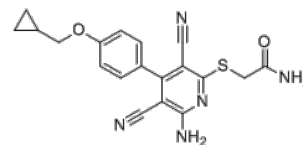


**Product Name** : BAY 60-6583  
**Cat. No.** : PC-35002  
**CAS No.** : 910487-58-0  
**Molecular Formula** : C<sub>19</sub>H<sub>17</sub>N<sub>5</sub>O<sub>2</sub>S  
**Molecular Weight** : 379.438  
**Target** : Adenosine Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

BAY 60-6583 (BAY606583) is a potent, selective **adenosine A2B receptor** agonist with EC<sub>50</sub> of 2.83 nM (murine A2BR). BAY 60-6583 inhibits fMLP-stimulated superoxide production by either naive neutrophils, TNF- $\alpha$ -primed neutrophils, or neutrophils isolated from mice at 1-10 nM.

BAY 60-6583 increases fMLP-stimulated superoxide production at higher concentrations (>1  $\mu$ M).

BAY 60-6583 exhibits cardioprotective activity, attenuates infarct size in mouse model of myocardial ischemia.

## References

van der Hoeven D, et al. *J Pharmacol Exp Ther*. 2011 Sep;338(3):1004-12.

Eckle T, et al. *Circulation*. 2007 Mar 27;115(12):1581-90.

Teng B, et al. *J Mol Cell Cardiol*. 2008 May;44(5):905-14.

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

E-mail: tech@probechem.com