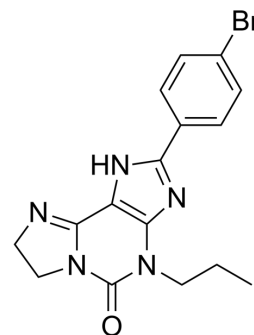


## KF26777 free base

Cat. No.:	HY-119191
CAS No.:	206129-88-6
Molecular Formula:	C <sub>16</sub> H <sub>16</sub> BrN <sub>5</sub> O
Molecular Weight:	374.24
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

KF26777 (free base) is a potent and selective adenosine A<sub>3</sub> receptor antagonist with an  $K_i$  value of 0.2 nM and possesses 9000-, 2350- and 3100-fold selectivity against adenosine A<sub>1</sub>, A<sub>2A</sub> and A<sub>2B</sub> receptors, respectively. KF26777 (free base) potently inhibits the [<sup>125</sup>I]AB-MECA binding to adenosine A<sub>3</sub> receptors. KF26777 (free base) is promising for research of brain ischemia and inflammatory disease including asthma<sup>[1]</sup>.

## REFERENCES

[1]. Saki M, et al. KF26777 (2-(4-bromophenyl)-7,8-dihydro-4-propyl-1H-imidazo[2,1-i]purin-5(4H)-one dihydrochloride), a new potent and selective adenosine A<sub>3</sub> receptor antagonist. *Eur J Pharmacol.* 2002 May 31;444(3):133-41.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA