

Product Datasheet

CGS 21680 Hydrochloride (orb1300765)

Catalog Number	orb1300765
Category	Small Molecules
Description	CGS 21680 HCl is a potent and highly selective adenosine A2A receptor agonist (IC50=22 nM), exhibiting 140-fold selectivity for A2A over A1 receptors. It is widely used in vitro and in vivo to study adenosine signaling, neuroprotection, inflammation, and cardiovascular models.
Target	Adenosine Receptor
Purity	99.53%
MW	535.98
Target Areas	Adenosine Receptor
Solubility (25°C)	DMSO:53.6 mg/mL (100 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (3.73 mM);H2O: 1 mg/mL (insoluble or slightly soluble)
CAS Number	124431-80-7
Formula	C ₂₃ H ₂₉ N ₇ O ₆ ·HCl
SMILES	Cl.CCNC(=O)[C@H]1O[C@H]([C@H](O)[C@@H]1O)n1cnc2c(N)nc(NCCc3ccc(CCC(O)=O)cc3)nc12
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558