



Certificate of Analysis

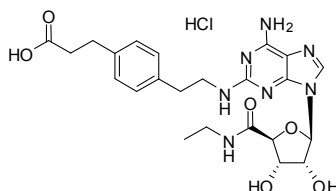
Axon Catalogue ID: 1319 **Batch Number:** 1

Product Name: CGS 21680 hydrochloride

Alternative Name(s): CGS 21680A

IUPAC Name: 3-(4-{2-[6-Amino-9-((2R,3R,4S,5S)-5-ethylcarbamoyl-3,4-dihydroxy-tetrahydro-furan-2-yl)-9H-purin-2-ylamino]-ethyl}-phenyl)-propionic acid hydrochloride

Structure:



Amount:

CAS number(s): 120225-54-9 (parent), 124431-80-7 (HCl salt (1:1))

Molecular Formula: C₂₃H₂₉N₇O₆.HCl **Molecular Weight:** 535.98

Batch Molecular Formula: C₂₃H₂₉N₇O₆.HCl.0.33H₂O **Batch Molecular Weight:** 541.93

Appearance: White Solid **Observed mp:** 198 - 200 °C

TLC (R_f): 0.2 DCM/MeOH (4:1)

Chemical Purity: 99.4%

Optical Purity (ee): N.A.

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 50.92, H 5.53, N 18.08; Found: C 50.95, H 5.79, N 18.01

Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	7.6	14.0	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	18.6	34.3	
	EtOH			Not Tested

Remarks:

QC Date: 07-04-2008

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only