

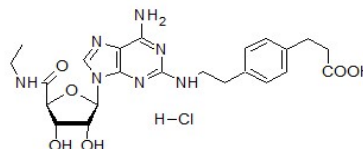
Certificate of Analysis



Product Identification

Catalog number HB2097
Compound name CGS21680
Chemical name 4-[2-[[[6-Amino-9-(N-ethyl-β-D-ribofuranuronamidosyl)-9H-purin-2-yl]amino]ethyl]benzenepropanoic acid hydrochloride
Batch number E1353-18-5
Batch molecular formula C₂₃H₂₉N₇O₆·0.5H₂O·HCl
Batch molecular weight 544.99

Chemical Structure



Method

QC requirement

QC Result

HPLC	HPLC shows more than 98% purity by RP analysis	Meets specification: 99.3% by HPLC
NMR	400MHz ¹ H spectrum in MeOD confirms structure and shows <1% of any other impurity	Meets specification
Mass spectrum	Electrospray negative analysis shows mass ion corresponding to [M-H] ⁻	Meets specification: Mass ion: 498.2
Microanalysis	Elemental analysis is within 0.4 of expected result for each element tested	Meets specification: analysis fits for batch molecular formula
TLC	TLC analysis in 2:3 PAW/BuOH shows one spot	Meets specification: R _f =0.7
Physical appearance	White to cream solid	Meets specification: white Solid
Solubility	Soluble in DMSO to 100 mM	Meets specification

Produced by Huw Davies

Signature

Passed by Steve Roome

Signature

Date

01-12-20