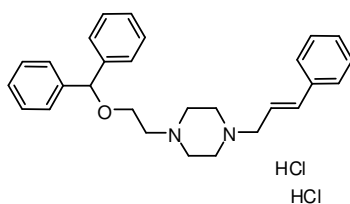


Certificate of Analysis

Axon Catalogue ID: 1203 **Batch Number:** 1
Product Name: GBR 12783 dihydrochloride
Alternative Name(s): Lu 2-098; MW 486
IUPAC Name: 1-(2-(Benzhydryloxy)ethyl)-4-cinnamylpiperazine dihydrochloride

Structure:



Amount:

CAS number: 67469-75-4
Batch Molecular Formula: C₂₈H₃₂N₂O₂.2HCl **Batch MW:** 485.49
Appearance: White solid **Observed mp:** 208 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.27 , H 7.06 , N 5.77 Found: C ND , H ND , N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	10.0	20.6	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	48.5	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 15-04-2015

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