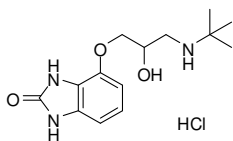




Certificate of Analysis

Axon Catalogue ID: 3488 **Batch Number:** 1
Product Name: (±)-CGP-12177A
Alternative Name(s): N.A.
IUPAC Name: 4-(3-(tert-Butylamino)-2-hydroxypropoxy)-1H-benzo[d]imidazol-2(3H)-one hydrochloride

Structure:



Amount:

CAS number(s): 81047-99-6 (parent), 64208-32-8 (HCl (1:1))
Molecular Formula: C₁₄H₂₁N₃O₃.HCl **Molecular Weight:** 315.80
Batch Molecular Formula: C₁₄H₂₁N₃O₃.HCl.1.6H₂O **Batch Molecular Weight:** 344.62
Appearance: Off-white solid **Observed mp:** 252.8 - 258.5 °C
TLC (R_f): 0.2 DCM/MeOH/NH₃ (1:1:0.1)
Chemical Purity: 98.2%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 48.79, H 7.37, N 12.19; Found: C 48.57, H 6.94, N 12.02
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	32.0	92.9	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	34.5	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 13-1-2022

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