

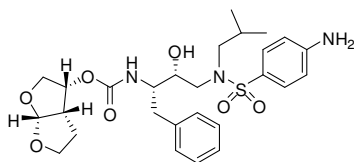


Certificate of Analysis

Axon Catalogue ID: 3137 **Batch Number:** 1
Product Name: Darunavir
Alternative Name(s): UIC-94017; TMC114

IUPAC Name: (3R,3aS,6aR)-Hexahydrofuro[2,3-b]furan-3-yl (2S,3R)-4-(4-amino-N-isobutylphenylsulfonamido)-3-hydroxy-1-phenylbutan-2-ylcarbamate

Structure:



Amount:

CAS number(s): 206361-99-1
Molecular Formula: C₂₇H₃₇N₃O₇S **Molecular Weight:** 547.66
Batch Molecular Formula: C₂₇H₃₇N₃O₇S **Batch Molecular Weight:** 547.66
Appearance: White solid **Observed mp:** 88.7 - 92.4 °C
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 99.9%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = -0.1° with c = 0.5 in MeOH
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 59.21, H 6.81, N 7.67; Found: C 59.05, H 6.80, N 7.58
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	34.0	62.1	
EtOH			Not Tested

Remarks:

QC Date: 22-7-2020

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