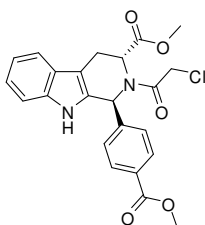




Certificate of Analysis

Axon Catalogue ID: 3611 **Batch Number:** 1
Product Name: RSL3
Alternative Name(s): 1S,3R-RSL3; K601
IUPAC Name: (1S,3R)-Methyl 2-(2-chloroacetyl)-1-(4-(methoxycarbonyl)phenyl)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxylate

Structure:



Amount:

CAS number(s): 1219810-16-8
Molecular Formula: C₂₃H₂₁N₂O₅ **Molecular Weight:** 440.88
Batch Molecular Formula: C₂₃H₂₁N₂O₅·0.25H₂O **Batch Molecular Weight:** 445.38
Appearance: Off-white solid **Observed mp:** 123 - 126 °C
TLC (R_f): 0.4 DCM/MeOH (20:1)
Chemical Purity: 99.5%
Optical Purity (de): 99.6%
Optical Rotation (Det.): [α]_D = +19.5° with c = 1 in MeOH
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.02, H 4.87, N 6.29; Found: C 62.14, H 4.68, N 6.09
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	44.5	>100 mM	
	EtOH	44.5	>100 mM	

Remarks:

QC Date: 26-4-2022

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