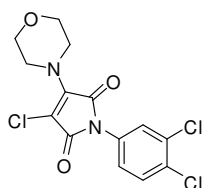


Certificate of Analysis

Axon Catalogue ID: 1885 **Batch Number:** 1
Product Name: RAD51 inhibitor RI-1
Alternative Name(s): RI-1
IUPAC Name: 3-Chloro-1-(3,4-dichlorophenyl)-4-morpholino-1H-pyrrole-2,5-dione

Structure:



Amount:

CAS number(s): 415713-60-9
Molecular Formula: C₁₄H₁₁Cl₃N₂O₃ **Molecular Weight:** 361.61
Batch Molecular Formula: C₁₄H₁₁Cl₃N₂O₃ **Batch Molecular Weight:** 361.61
Appearance: Yellow solid **Observed mp:** 155 - 157 °C
TLC (R_f): 0.5 DCM
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 46.50, H 3.07, N 7.75; Found: C 46.51, H 2.82, N 7.68
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	29.0	80.2	
	EtOH			Not Tested

Remarks:

QC Date: 20-11-2018

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