



Certificate of Analysis

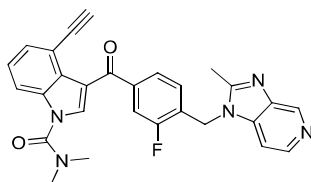
Axon Catalogue ID: 4480 **Batch Number:** 1

Product Name: ABT-491

Alternative Name(s): N.A.

IUPAC Name: N,N-Dimethyl-4-ethynyl-3-(3-fluoro-4-((2-methyl-1,3,5-triaza-1H-inden-1-yl)methyl)benzoyl)-1-indolecarboxamide

Structure:



Amount:

CAS number(s): 170499-15-7

Molecular Formula: C₂₈H₂₂FN₅O₂ **Molecular Weight:** 479.51

Batch Molecular Formula: C₂₈H₂₂FN₅O₂·0.5H₂O **Batch Molecular Weight:** 488.51

Appearance: Pale-brown solid **Observed mp:** 121.5 - 123.2 °C

TLC (R_f): 0.7 DCM/MeOH (9:1)

Chemical Purity: 99.2%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 68.84, H 4.75, N 14.34; Found: C 68.68, H 4.68, N 14.31

Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	46.0	94.2	
	DMSO	48.9	>100 mM	
	EtOH	48.9	>100 mM	

Remarks:

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