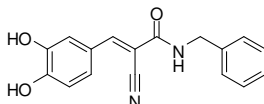




Certificate of Analysis

Axon Catalogue ID: 1378 **Batch Number:** 1
Product Name: AG 490
Alternative Name(s): Tyrphostin AG 490; Tyrphostin B42
IUPAC Name: (E)-N-Benzyl-2-cyano-3-(3,4-dihydroxyphenyl)acrylamide

Structure:



Amount:

CAS number(s): 133550-30-8
Molecular Formula: C₁₇H₁₄N₂O₃ **Molecular Weight:** 294.30
Batch Molecular Formula: C₁₇H₁₄N₂O₃ **Batch Molecular Weight:** 294.30
Appearance: Yellow solid **Observed mp:** 210 - 213 °C
TLC (R_f): 0.4 DCM/MeOH (9:1)
Chemical Purity: 99.0%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.38, H 4.79, N 9.52; Found: C ND, H ND, N ND
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)	25.0	84.9	
	0.1N HCl (aq)			Not Tested
	DMSO	20.0	68.0	
	EtOH	29.4	>100 mM	

Remarks:

QC Date: 9-9-2022

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