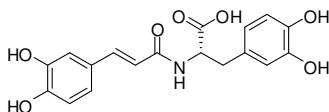




Certificate of Analysis

Axon Catalogue ID: 3474 **Batch Number:** 1
Product Name: trans-Clovamide
Alternative Name(s): N.A.
IUPAC Name: (S,E)-3-(3,4-Dihydroxyphenyl)-2-(3-(3,4-dihydroxyphenyl)acrylamido)propanoic acid

Structure:



Amount:

CAS number(s): 53755-02-5
Molecular Formula: C₁₈H₁₇NO₇ **Molecular Weight:** 359.33
Batch Molecular Formula: C₁₈H₁₇NO₇.1H₂O **Batch Molecular Weight:** 377.35
Appearance: White solid **Observed mp:** 124.4 - 126.2 °C
TLC (R_f): 0.2 DCM/MeOH (4:1)
Chemical Purity: >98%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = -21.4° with c = 0.5 in H₂O
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.29, H 5.08, N 3.71; Found: C 57.25, H 4.86, N 3.65
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	37.7	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	36.0	95.4	
	EtOH	34.0	90.1	

Remarks: Suspected to be thermally unstable; store both solid material and stock solutions as cold as possible. It is recommended to use freshly prepared stock solutions for your experiments. Electrostatic. Suspected to be light sensitive.

QC Date: 1-11-2021

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