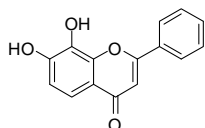




Certificate of Analysis

Axon Catalogue ID: 2089 **Batch Number:** 1
Product Name: 7,8-Dihydroxyflavone
Alternative Name(s): N.A.
IUPAC Name: 7,8-dihydroxy-2-phenyl-4H-chromen-4-one

Structure:



Amount:

CAS number: 38183-03-8 **MW:** 254.24
Batch Molecular Formula: C₁₅H₁₀O₄·2/3H₂O **Batch MW:** 266.25
Appearance: Light yellow solid **Observed mp:** 248 °C

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

Chemical Purity: 99.0%

Optical Purity (ee):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: C, H, and N fit within 0,4% of theoretical calculation

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	25.4	>100 mM	Soluble
	EtOH	6.0	22.5	Soluble

Remarks: Microanalysis: Calcd C 67.67, H 4.29; Found: C 67.78, H 4.27.

QC Date: 7/4/2013

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only