

CERTIFICATE OF ANALYSIS

Product Name: 4-Hydroxy-1-methylquinolin-2(1H)-one

Chemical Structure:



Lot Number: CS01316911110315

CAT Number: APL-WCPH-0001677

CAS Registry Number: 1677-46-9

Manufacture Date: 07/2020

Expiry Date: 07/2023

Molecular Formula: C₁₀H₉NO₂

Molecular Weight: 175.18

Storage: 2-8°C, stored under nitrogen

Analysis Data

Item	Specification	Results
Appearance	Light brown to brown (Solid)	Conforms
Purity (LCMS)	≥ 96.00 %	96.02 %
¹ H NMR Spectrum	Consistent with structure	Conforms
LCMS	Consistent with structure	Conforms

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Jennifer LaBrecque 08/2022
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO

MS Report from Instrument: LCMS-02

File ..2\1\DATA\2020\20200714\1036\LJC2007135189.D Tgt Mass (CHM):
Injection Date : 14 Jul 20 3:11 pm +0800 Seq. Line : 83
Sample Name : LJC2007135189 Location : P2-E-03
Acq. Operator : ZJ_1432 Inj : 1
Spec. Reported : MS Integration Inj Volume : 0.3 ul
Acq. Method : D:\Chem32\1\data\2020\20200714\1036\1-POS-3MIN.M
Analysis Method : D:\CHEM32\1\DATA\2020\20200714\1036\1-POS-3MIN.M
CAS NO. : 1677-46-9
Method Info : Mobile Phase: A: water(0.01%TFA) B:ACN(0.01%TFA)
Gradient: 5% to 95%B within 1.3 min
Flow Rate :1.8ml/min
Column :SunFire C18, 4.6*50mm,3.5um A-RP-607
Oven Temperature : 45°C



Integration Results for DAD1 B, Sig=214,4 Ref=off

RetTim	Width	Area	Height	Area%	MS (+)
1.34	0.01	3.63	3.91	0.33	204
1.41	0.01	1057.26	1222.38	96.02	176
1.54	0.01	4.39	4.63	0.40	174
1.68	0.02	21.08	21.16	1.91	204
1.94	0.02	14.67	11.86	1.33	ND

Integration Results for DAD1 C, Sig=254,4 Ref=off

RetTim	Width	Area	Height	Area%	MS (+)
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Integration Results for MSD1 TIC, MS File

RetTim	Width	Area	Height	Area%	MS (+)
1.42	0.02	537224.25	327085.19	100.00	176

MS Report from Instrument: LCMS-02

Ret. Time: 1.42

<<<< POSITIVE SPECTRA >>>>

ES-API Positive



CAS NO. : 1677-46-9, DMSO



¹H NMR (400 MHz, DMSO-*d*₆) δ 7.89 (dd, *J* = 8.0, 1.6 Hz, 1H), 7.63 (s, 1H), 7.48 (dd, *J* = 8.6, 0.9 Hz, 1H), 7.24 (s, 1H), 5.88 (s, 1H), 3.61 – 3.55 (m, 3H).

