

Analysis Date: 13-05-2025

Re-test Date: 13-05-2028

AGOMELATINE IMPURITY 18

Identification

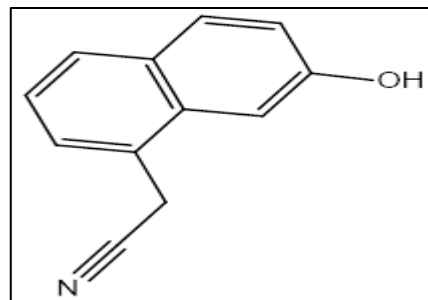
Chemical Name : 2-(7-Hydroxynaphthalen-1-yl)acetonitrile

CAT No : ALL-A08108

CAS No : 1079774-32-5

Molecular Formula : C₁₂H₉NO

Molecular Weight : 183.2



Analytical Information

Batch Code : ALL-A08108

Solubility : MeOH: ACN

Appearance of Product : Off White Solid

Long Term Storage : 2-8 °C

Weight Content By TGA : 0.211%

Residue Of Ignition : 0.328%

HPLC Purity : 98.08%

Potency : 97.55%

Mass : Confirm

IR Analysis : Confirm

¹H NMR : Confirm

Additional Information

%Potency = [100 - (Inorganic Impurities % + Water %) × Chromatographic Purity%]/100 =

[100 - (0.211+0.328× 98.08)]/100 = 97.55%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadse Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keché Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

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