

Certificate of Analysis

Product Name	Protopine
Catalog No.	V13298
Batch No.	V1329801

1. Physical and Chemical Properties

Appearance	Powder
Molecular Formula	C ₂₀ H ₁₉ NO ₅
Molecular Weight	353.374
Purity	=98.60%
CAS No.	130-86-9
Production Date	2024/09/18

2. Analytical Data

Test Item	Specification	Result
HPLC	≥98%	=98.60%
NMR	Consistent with structure	Confirms

3. Structure

--	--

4. Storage Condition

Storage Condition	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month
-------------------	--

Products are for research use only • Not for human or veterinary use