

INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Catalog Number: 021880

Product Name: **PROTOPINE HYDROCHLORIDE**

CAS Number: [6164-47-2]

Lot Number: 1709875

Chemical Formula: C₂₀H₁₉NO₅ HCl

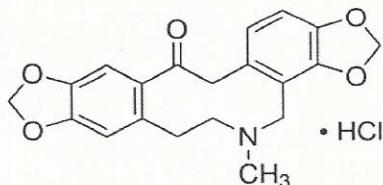
Molecular Weight: 389.83

Appearance: White powder

Loss on Drying: 1.46%

Storage: Store in a cool, dry place

Purity(HPLC): 98.53%





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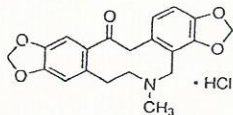
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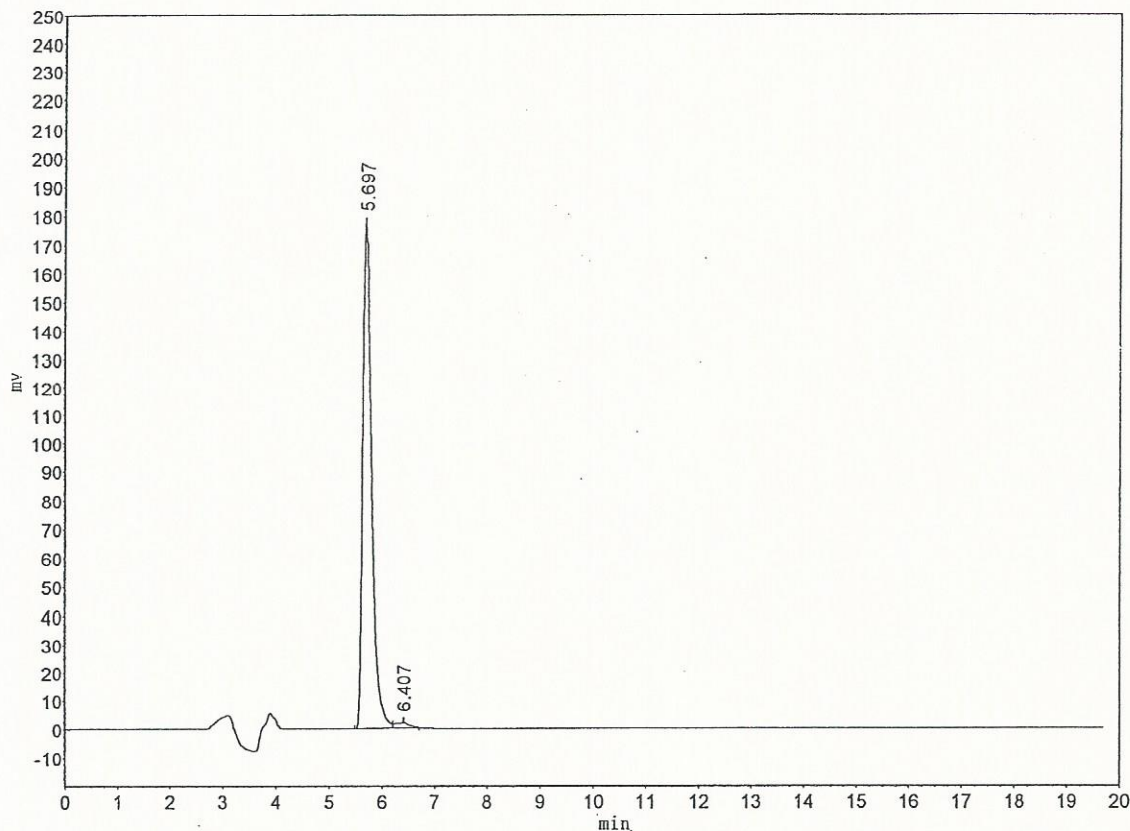
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HPLC ANALYSIS



Catalog No.: 021880
Product Name: Protopine hydrochloride
Lot No.: 1709875

Mobile phase : Acetonitrile - (0.2%TEA + HAc pH=4)Water 33:67
Flow rate : 0.8 ml/min
Wavelength : 282nm
Temperature : 25°C



Peak Table

Peak#	RT	Height	Area	%Area
1	5.697	177261.750	2037488.375	98.5350
2	6.407	1737.054	30293.299	1.4650
		178998.804	2067781.674	100.0000