

Product Information

DIGOXIN SIGMA REFERENCE STANDARD

 Product No. **D6770**

Lot No: 115K8814

Storage Temperature: Room Temperature

 Formula: $C_{41}H_{64}O_{14}$

Formula Weight: 780.94

CAS No: 20830-75-5

 Synonyms: Card-20(22)-enolide, 3-[(O-2,6-dideoxy- β -D-ribo-hexopyranosyl-(1 \rightarrow 4)-O-2,6-dideoxy- β -D-ribo-hexopyranosyl-(1 \rightarrow 4)-2,6-dideoxy- β -D-ribo-hexopyranosyl)oxy]-12,14-dihydroxy-, (3 β ,5 β ,12 β)-3 β -[(O-2,6-Dideoxy- β -D-ribo-hexopyranosyl-(1 \rightarrow 4)-O-2,6-dideoxy- β -D-ribo-hexopyranosyl-(1 \rightarrow 4)-2,6-dideoxy- β -D-ribo-hexopyranosyl)oxy]-12 β ,14-dihydroxy-5 β -card-20(22)-enolide.

Product Description

This product meets USP specifications (Current through USP 28, 1st Supplement), and is traceable to USP Reference Standard lot O0B096

Store in sealed vial at room temperature. Protect from light. Dry a portion in vacuum at 105°C for 1 hour before using. Use promptly. Discard unused material.

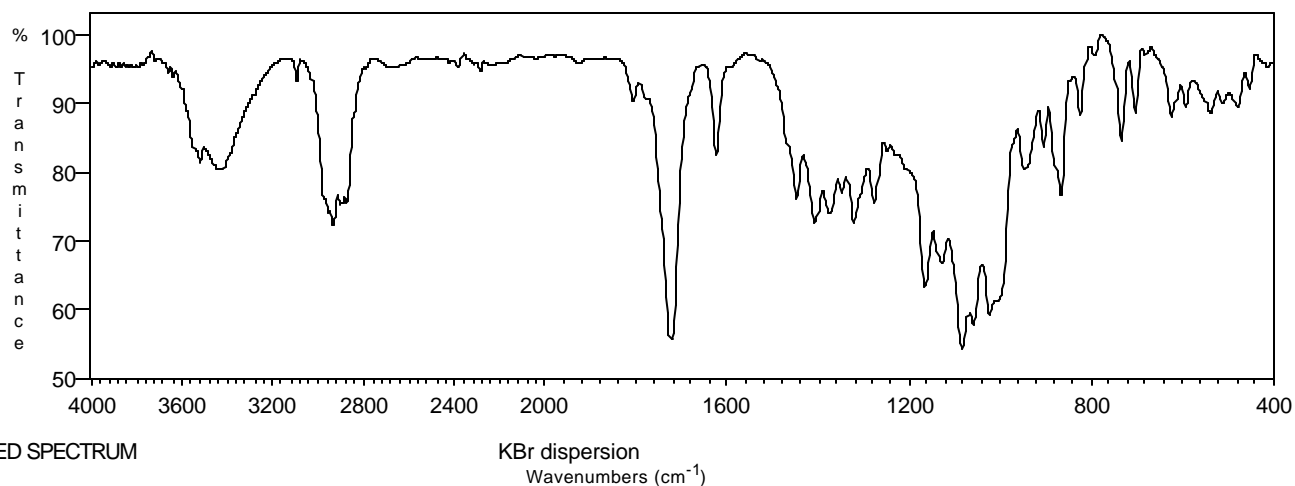
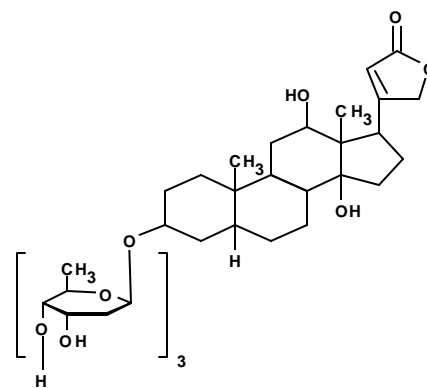
TEST	USP 28 SPECIFICATIONS	Result Sigma R.S. Lot 115K8814
Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot O0B096
Identification B	retention time of major peak in the chromatogram of the <i>Assay preparation</i> corresponds to that of the <i>Standard Preparation</i> as obtained in the Assay	Passes
Identification C	R _f value of the principle blue spot on thin-layer chromatogram of the <i>Test solution</i> corresponds to that obtained from the <i>Standard solution</i>	Passes
Loss on Drying (731)	not more than 1.0%	Passes
Residue on ignition (281)	not more than 0.5% from a 100 mg sample	Passes
Related glycosides Thin-layer chromatography	not more than 3% of any related glycoside as gitoxin	Passes
Organic volatile impurities (467)	meets requirements	Passes
Assay High Performance Liquid Chromatography (621)	not less than 95.0% and not more than 101.0%	100.1%

See reverse side for IR spectrum of Sigma Reference Standard.

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INFRARED SPECTRUM

KBr dispersion
Wavenumbers (cm⁻¹)

12/2005

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Please see reverse side of the invoice or packing slip.