



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

Product Information

DIGOXIN SIGMA REFERENCE STANDARD

Product No. **D6770**

Lot No: 78H8809

Storage Temperature: Room Temperature

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

Formula Weight: 780.96

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

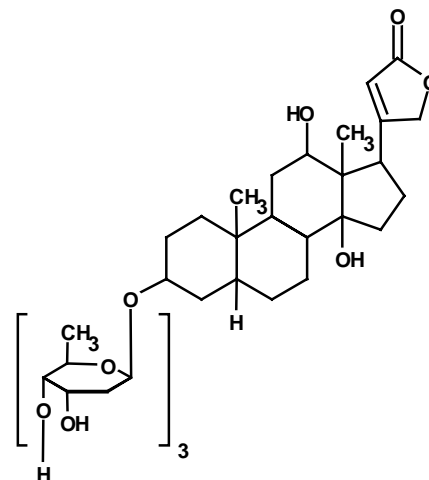
This product meets USP specifications (Current through USP 23, 8th Supplement), and is traceable to USP Reference Standard lot N-1

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 23 SPECIFICATIONS	Result Sigma R.S. Lot 78H8809
Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot N-1
Identification B	retention time of major peak in the chromatogram of the Assay preparation corresponds to that of the Standard Preparation as obtained in the Assay	conforms to USP RS lot N-1
Identification C	R _f value of the principle blue spot on thin-layer chromatogram of the Test solution corresponds to that obtained from the Standard solution	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
Assay High Performance Liquid Chromatography (621)	not less than 95.0% and not more than 101.0%	98.0%

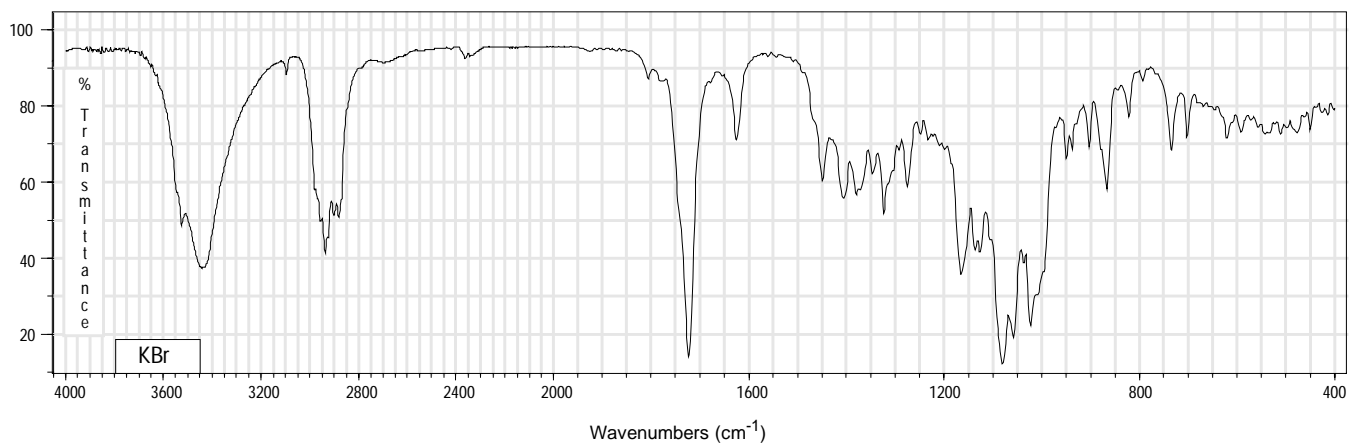
See reverse side for IR spectrum of Sigma Reference Standard.

DIGOXIN
SIGMA REFERENCE STANDARD
Product No. **D6770**
Lot 78H8809



INFRARED SPECTRUM

KBr dispersion



6/2000

Sigma brand products are sold through Sigma-Aldrich, Inc.
Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications.
Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.
Please see reverse side of the invoice or packing slip.