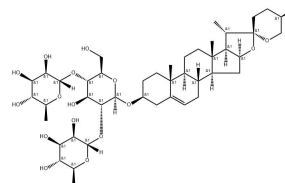


Technical Data Sheet

Dioscin

Compound Information

Product Name:	Dioscin
CAS No.:	19057-60-4
Molecular Formula:	C ₄₅ H ₇₂ O ₁₆
Molecular Weight:	869.06
Storage:	Store at ≤ -10 °C, under inert gas
Revision Date:	2026-04-27



Analytical Information

Tests	Specifications
Description	Dioscin (CCRIS 4123, Collettiside III) is a natural steroid saponin derived from several plants, showing potent anti-cancer effect against a variety of tumor cell lines.
Synonym	3(25R)-Spirost-5-en-3-yl 6-Deoxy--L-mannopyranosyl-(1→2)-[6-deoxy--L-mannopyranosyl-(1→4)]--D-glucopyranoside
Form	Solid
Color	White to Off-White
Melting Point	275~277°C
Purity by HPLC	≥ 95%
Solubility	DMSO 90 mg/mL
Specific Rotation	-101.0° (c = 0.5, Methanol)
MS	Pass test
1H NMR	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.