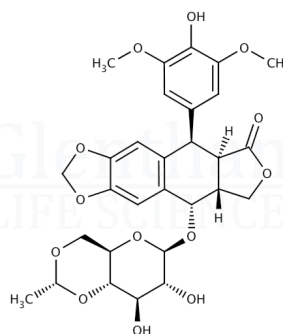


## Certificate of Analysis

Product Name Etoposide, USP grade  
Glentham Code GP7062  
CAS Number 33419-42-0  
EINECS 251-509-1  
MDL Number MFCD00869325  
Batch Number 067BAQ

Molecular Weight 588.56  
Molecular Formula  $C_{29}H_{32}O_{13}$   
Storage Temp. +20°C



Property	Specification	Batch 067BAQ
Physical Description	White or almost white crystalline powder	White crystalline powder
Identification	A, B according to USP	Conforms
Specific Optical Rotation	-110 - -118 °	-113°
Water	≤ 6.0%	4.2%
Individual Organic Impurities	≤ 1.0%	0.05%
Total Organic Impurities	≤ 2.0%	0.2%
Residue on Ignition	≤ 0.1%	0.03%
Heavy Metals	≤ 20ppm	≤ 20ppm
Assay (anhydrous basis)	95.0 - 105.0 %	99.2%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version v1.0  
Manufacture Date 2023-01-05  
Re-Test Date 2030-03-15

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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