

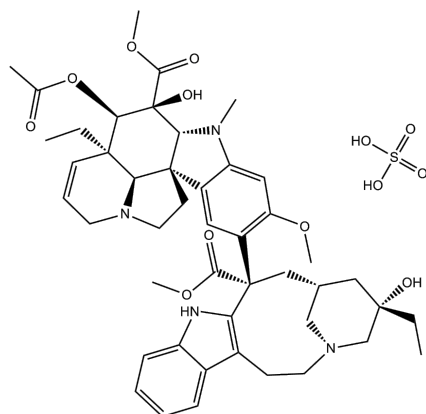
Certificate of Analysis

Product Name: Vinblastine sulfate
Cat. No.: GC12286
Batch No.: 3
Chemical Name:

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 143-67-9
Molecular Formula: $C_{46}H_{60}N_4O_{13}S$
Molecular Weight: 909.05
Storage: 4°C, protect from light

Chemical Structure:



ANALYTICAL DATA

Appearance: A solid
HNMR: Consistent with structure
HPLC: Consistent with structure
Purity: >97.00%
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA