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DATASHEET

Rebeccamycin

Product overview

Name	Rebeccamycin
Cat No	HB4052
Purity	>98%
Description	Weak topoisomerase I inhibitor. Shows no activity against protein kinases.

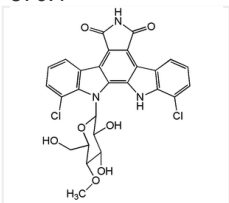
Biological Data

Biological description	Antibiotic. Weak topoisomerase I (Topo I) inhibitor. Structurally similar to staurosporine. Does not show any inhibitory activity against protein kinases. Shows significant antitumor properties in vitro (IC_{50} = 480 nM against mouse B16 melanoma cells and IC_{50} = 500 nM against P388 leukemia cells).
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Solubility & Handling

Storage instructions	+4 °C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	570.4
Chemical structure	
CAS Number	93908-02-2
PubChem identifier	0
SMILES	<chem>CO[C@H]1[C@H](O)[C@@H](O)[C@@H](O[C@@H]1CO)n2c3c(Cl)cccc3c4c2c5[nH]c6c(Cl)cccc6c5c7C(=O)NC(=O)c47</chem>
InChiKey	QEHOIJJIZXRMAN-UMHCKEELSA-N
Appearance	Yellow solid