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## DATASHEET

Rebeccamycin

### Product overview

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

### Biological Data

<b>Biological description</b>	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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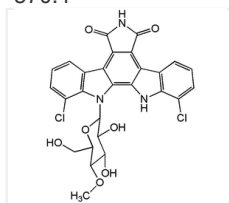
### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Important</b>	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**  
**Chemical structure**

570.4



<b>CAS Number</b>	93908-02-2
<b>PubChem identifier</b>	0
<b>SMILES</b>	<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>
<b>InChiKey</b>	QEHOIJJIZXRMAN-UMHCKEELSA-N
<b>Appearance</b>	Yellow solid