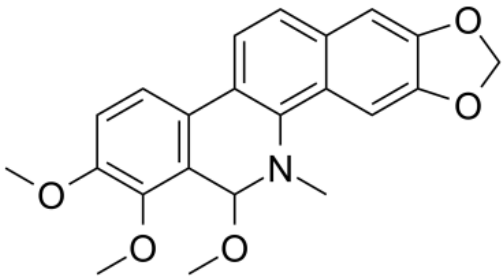
Product Data Sheet

Product Name: Angoline
Cat. No.: GC60585

Chemical Properties

Cas. No.	21080-31-9		
SMILES	CN1C2=C3C(C=C4OCOC4=C3)=CC=C2C5=C(C(OC)=C(OC)C=C5)C1OC		
Formula	$C_{22}H_{21}NO_5$	M.Wt	379.41
Solubility		Storage	4°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



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Background

Angoline is a potent and selective IL6/STAT3 signaling pathway inhibitor with an IC50 of 11.56 μM. Angoline inhibits STAT3 phosphorylation and its target gene expression, and inhibits cancer cell proliferation[1].

[1]. Jiawei Liu, et al. Angoline: a selective IL-6/STAT3 signaling pathway inhibitor isolated from Zanthoxylum nitidum. Phytomedicine. Jul-Aug 2014;21(8-9):1088-91.

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