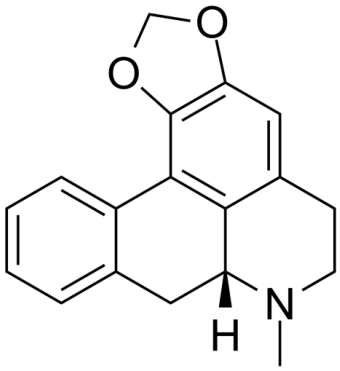
Data Sheet

Product Name:	Roemerine
Cat. No.:	CS-0083311
CAS No.:	548-08-3
Molecular Formula:	$C_{18}H_{17}NO_2$
Molecular Weight:	279.33
Target:	Endogenous Metabolite; P-glycoprotein
Pathway:	Membrane Transporter/Ion Channel; Metabolic Enzyme/Protease
Solubility:	DMSO : 100 mg/mL (358.00 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Roemerine, an aporphine alkaloid, isolated from the leaves of Annona senegalensis, functions by interacting with **P-glycoprotein**. Roemerine reverses the multidrug-resistance phenotype with cultured cells[1].

References:

[1]. M You, et al. (-)-Roemerine, an Aporphine Alkaloid From Annona Senegalensis That Reverses the Multidrug-Resistance Phenotype With Cultured Cells. J Nat Prod. 1995 Apr;58(4):598-604.

CAIndexNames:

5H-Benzo[g]-1,3-benzodioxolo[6,5,4-de]quinoline, 6,7,7a,8-tetrahydro-7-methyl-, (7aR)-

SMILES:

CN1CCC(C2=C3C4=CC=CC=C4C[C@@]12[H])=CC5=C3OCO5

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

Tel: 610-426-3128 Fax: 888-484-5008 E-mail: sales@ChemScene.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA