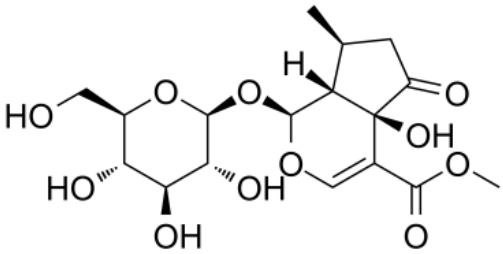
Product Data Sheet

Product Name: Hastatoside
Cat. No.: GC38154

Chemical Properties

Cas. No.	50816-24-5		
SMILES	O=C(C1=CO[C@@H](O[C@H]2[C@@H]([C@H]([C@@H]([C@@H](CO)O2)O)O)O)[C@@]3([H])[C@]1(O)C(C[C@@H]3C)=O)OC		
Formula	$C_{17}H_{24}O_{11}$	M.Wt	404.37
Solubility	DMSO : 100 mg/mL (247.30 mM; Need ultrasonic)	Storage	Store at -20°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			



Background

Hastatoside is an iridoid glycoside that is isolated from Verbena officinalis and has a role in promoting sleep[1].

Hastatoside (0.32-0.64 mmol/kg; oral administration; for 9 hours; male rats of the Sprague-Dawley strain) treatment increases the total time of non-rapid eye movement sleep during a 9-h period, with a

lag time of about 3-5 h after the administration at 20. 00 hours (lights-off time). Hastatoside also increases the delta activity during non-rapid eye movement sleep[1]. Animal Model: Male rats of the Sprague-Dawley strain (8 weeks old; 260-280 g)[1]

[1]. uki MAKINO, et al. Hastatoside and verbenalin are sleep-promoting