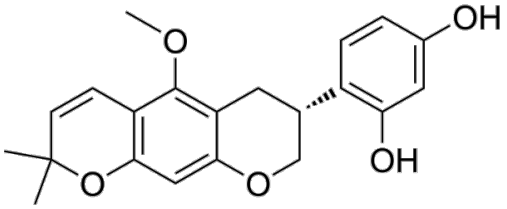
Product Data Sheet

Product Name: Neorauflavane
Cat. No.: GC74272

Chemical Properties

Cas. No.	53734-74-0		
Formula	$C_{21}H_{22}O_5$	M.Wt	354.4
Solubility		Storage	-20°C
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

Neorauflavane is a potent tyrosinase inhibitor derived from Campylotropis hirtella, with an IC50 value of 30 nM for tyrosinase monophenolase activity and an IC50 value of 500 nM for diphenolase activity. Neorauflavane can effectively reduce the melanin content of B16 melanoma cells.

References:

Caution: Product has not been fully validated for medical applications. For research use only.
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[1]. Xuefei Tan, et al. Highly potent tyrosinase inhibitor, neorauflavane from Campylotropis hirtella and inhibitory mechanism with molecular docking. Bioorg Med Chem. 2016 Jan 15;24(2):153-9.