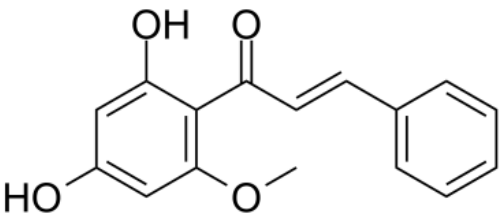
Product Data Sheet

Product Name: Cardamonin
Cat. No.: GC38059

Chemical Properties

Cas. No.	18956-16-6		
SMILES	O=C(C1=C(OC)C=C(O)C=C1O)/C=C/C2=CC=CC=C2		
Formula	$C_{16}H_{14}O_4$	M.Wt	270.28
Solubility	DMSO: 125 mg/mL (462.48 mM)	Storage	Store at -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

Cardamonin (Cardamomin), a natural flavone isolated from Alpinia katsumadai Hayata, acts as an aryl hydrocarbon receptor (AhR) activator. Cardamonin alleviates inflammatory bowel disease by the inhibition of NLRP3 inflammasome activation via an AhR/Nrf2/NQO1 pathway[1].

[1]. Wang K, et al. Cardamonin, a natural flavone, alleviates inflammatory bowel disease by the inhibition of NLRP3 inflammasome activation via an AhR/Nrf2/NQO1 pathway. Biochem Pharmacol. 2018 Sep;155:494-509.

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