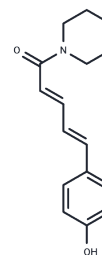


Coumaperine

Chemical Properties

CAS No. :	76733-91-0
Formula:	C ₁₆ H ₁₉ NO ₂
Molecular Weight:	257.33
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Coumaperine, a product found in white pepper, is also a 5-LOX inhibitor with potential anti-inflammatory and anti-cancer activity and can be used to study inflammatory diseases caused by bacterial infections.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8861 mL	19.4303 mL	38.8606 mL
5 mM	0.7772 mL	3.8861 mL	7.7721 mL
10 mM	0.3886 mL	1.943 mL	3.8861 mL
50 mM	0.0777 mL	0.3886 mL	0.7772 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Nandakumar N, et al. Synthesis of coumaperine derivatives: Their NF- κ B inhibitory effect, inhibition of cell migration and their cytotoxic activity. *Eur J Med Chem.* 2017 Jan 5;125:1076-1087.
- Kitano M, et al. Chemopreventive effects of coumaperine from pepper on the initiation stage of chemical hepatocarcinogenesis in the rat. *Jpn J Cancer Res.* 2000 Jul;91(7):674-80. doi: 10.1111/j.1349-7006.2000.tb00998.x. PMID: 10920273; PMCID: PMC5926419.

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