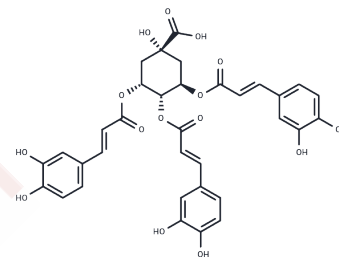


## 3,4,5-Tricaffeoylquinic acid

## Chemical Properties

CAS No. :	86632-03-3
Formula:	C <sub>34</sub> H <sub>30</sub> O <sub>15</sub>
Molecular Weight:	678.59
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	3,4,5-Tricaffeoylquinic acid may attenuate the TNF- $\alpha$ - and LPS-stimulated production of inflammatory mediators in keratinocytes by suppressing the Toll-like receptor 4 expression-mediated activation of the Akt, ERK and NF- $\kappa$ B pathways, it may exert an inhibitory effect against the pro-inflammatory mediator-induced skin disease.
Targets(IC50)	NF- $\kappa$ B,Akt,HIV Protease,TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4736 mL	7.3682 mL	14.7364 mL
5 mM	0.2947 mL	1.4736 mL	2.9473 mL
10 mM	0.1474 mL	0.7368 mL	1.4736 mL
50 mM	0.0295 mL	0.1474 mL	0.2947 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

3,4,5-Tricaffeoylquinic acid inhibits tumor necrosis factor- $\alpha$ -stimulated production of inflammatory mediators in keratinocytes via suppression of Akt- and NF- $\kappa$ B-pathways. *Int Immunopharmacol.* 2011 Nov;11(11):1715-23.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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