

Data Sheet

Product Information

Catalog Number	BP15100
Product Name	ETHYL CAFFEATE
Description	In vitro, ECF suppressed the differentiation of naive CD4+ T cells into Th1. Furthermore, ECF intensely blocked the transcriptional expression in interferon- γ -related signaling, including IFN- γ , T-bet, STAT1, and STAT4.
In vitro	In vivo, ETHYL CAFFEATE(ECF) treatment reduced the severity of collagen-induced arthritis (CIA), inhibited IFN- γ and IL-6 secretion, and decreased the proportion of CD11b+Gr-1+ splenic neutrophil. Meanwhile, ECF treatment significantly inhibited the IFN- γ expression in CD4+T cell without obviously influencing the development of Th17 cells and T regulatory cells.
In vivo	Shikui X , Aixue Z , Zengjun G , et al. Ethyl Caffeate Ameliorates Collagen-Induced Arthritis by Suppressing Th1 Immune Response[J]. Journal of Immunology Research, 2017, 2017:1-11.
Synonyms	ETHYL 3,4-DIHYDROXYCINNAMATE
CAS No.	102-37-4
Chemical Formula	C11H12O4
Molecular Weight	208.21
Solubility	DMSO: 41 mg/mL (196.91 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure OR Tested Image	
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