MOLNOVA
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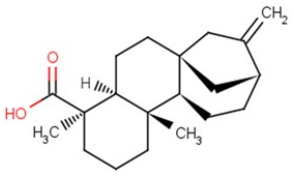
Datasheet (Version 1.0)

Product Name	:	Kaurenoic acid
Synonyms	:	CCRIS 1514; Kauren-19-oic acid
Cat No.	:	M18978
CAS Number	:	6730-83-2
Molecular Formula	:	C20H30O2
Formula Weight	:	302.45
Chemical Name	:	(4R,4aS,6aS,9S,11aR,11bS)-4,11b-dimethyl-8-methylenetetradecahydro-6a,9-methanocyclohepta[a]naphthalene-4-carboxylic acid
Description	:	Kaurenoic acid has anti-inflammatory potential in acetic acid-induced colitis, decreases in MDA level. Kaurenoic acid exerts a uterine relaxant effect acting principally through calcium blockade and in part, by the opening of ATP-sensitive potassium channels. Kaurenoic acid exhibits an analgesic effect in a consistent manner and that its mechanisms involve the inhibition of cytokine production and activation of the NO-cyclic GMP-protein kinase G-ATP-sensitive potassium channel signaling pathway. Kaurenoic acid derivatives have an antimicrobial activity of substituted on carbon-15 at concentrations greater than or equal to 250 μg/ml. Kaurenoic acid has inhibitory effects on the LPS-induced inflammatory response in RAW264.7 macrophages.
Pathway	:	Others
Target	:	Other Targets
Receptor	:	Others
Solubility	:	——
SMILES	:	C[C@@]12CCC[C@@]([C@H]1CC[C@]34[C@H]2CC[C@H](C3)C(=C)C4)(C)C(=O)O
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Okoye T C, et al. Anticonvulsant effect of kaurenoic acid isolated from the root bark of Annona senegalensis.[J]. Pharmacology Biochemistry & Behavior, 2013, 109(8):38-43.