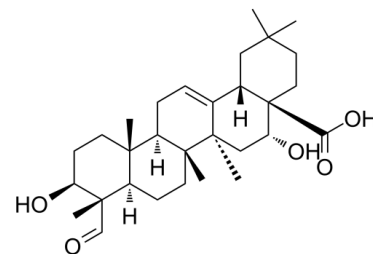


Data Sheet

Product Name:	Quillaic acid
Cat. No.:	CS-3007
CAS No.:	631-01-6
Molecular Formula:	C ₃₀ H ₄₆ O ₅
Molecular Weight:	486.68
Target:	Others
Pathway:	Others
Solubility:	DMSO : ≥ 41 mg/mL (84.24 mM)



BIOLOGICAL ACTIVITY:

Quillaic acid(Quillaja sapogenin) is the major aglycone of the widely studied saponins of the Chilean indigenous tree Quillaja saponaria Mol; can elicit dose-dependent antinociceptive effects in two murine thermal models.

References:

- [1]. Arrau S, et al. Antinociceptive activity of Quillaja saponaria Mol. saponin extract, quillaic acid and derivatives in mice. J Ethnopharmacol. 2011 Jan 7;133(1):164-7.
- [2]. Rodríguez-Díaz M, et al. Topical anti-inflammatory activity of quillaic acid from Quillaja saponaria Mol. and some derivatives. J Pharm Pharmacol. 2011 May;63(5):718-24.

CAIndexNames:

Olean-12-en-28-oic acid, 3,16-dihydroxy-23-oxo-, (3β,4α,16α)-

SMILES:

OC([C@]1(CCC(C)(C)C2)[C@]2([H])C3=CC[C@@]4([H])[C@@](C)(CC[C@]5([H])[C@@]4(CC[C@H](O)[C@@]5(C)C=O)C)[C@]3(C)C[C@H]1O)=O

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA