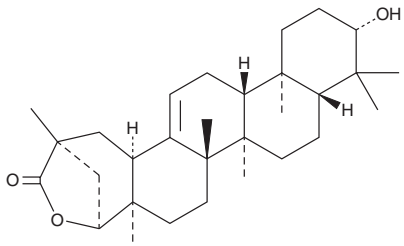
PRODUCT INFORMATION

Wilforlide A

Item No. 34654

CAS Registry No.:	84104-71-2
Formal Name:	(3β,20α,22α)-3,22-dihydroxy-olean-12-en-29-oic acid, γ-lactone
Synonyms:	(–)-Abruslactone, Abruslactone A, Regelide
MF:	$C_{30}H_{46}O_3$
FW:	454.7
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years
Item Origin:	Plant/*Tripterygium wilfordii*



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Wilforlide A is supplied as a solid. A stock solution may be made by dissolving the wilforlide A in the solvent of choice, which should be purged with an inert gas. Wilforlide A is soluble in the organic solvent chloroform at a concentration of approximately 10 mg/ml.

Description

Wilforlide A is a triterpene that has been found in *T. wilfordii* and has anti-inflammatory activity.[1,2] It inhibits xylene-induced ear swelling in mice when administered at doses of 60 or 300 µg/kg.[1] Wilforlide A in combination with triptolide reduces inflammation, bone damage, and synovial hyperplasia in the inflamed joints in a rat model of collagen-induced arthritis.[2]

References

1. Xue, M., Jiang, Z.-Z., Liu, J.-P., *et al*. Comparative study on the anti-inflammatory and immune suppressive effect of Wilforlide A. *Fitoterapia* **81(8)**, 1109-1112 (2010).
2. Zhu, X., Zhang, J., Huo, R., *et al*. Evaluation of the efficacy and safety of different Tripterygium preparations on collagen-induced arthritis in rats. *J. Ethnopharmacol.* **158(Pt A)**, 283-290 (2014).

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