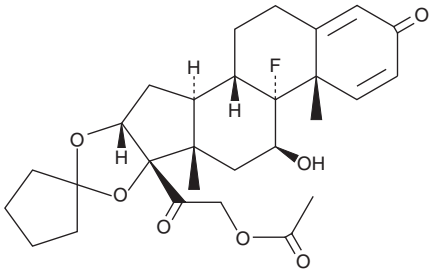
PRODUCT INFORMATION

Amcinonide

Item No. 23903

CAS Registry No.:	51022-69-6
Formal Name:	(11β,16α)-21-(acetyloxy)-16,17-[cyclopentylidenebis(oxy)]-9-fluoro-11-hydroxy-pregna-1,4-diene-3,20-dione
Synonym:	CL 34,699
MF:	$C_{28}H_{35}FO_7$
FW:	502.6
Purity:	≥98%
UV/Vis.:	λ_{max}: 236 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥4 years



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

Laboratory Procedures

Amcinonide is supplied as a crystalline solid. A stock solution may be made by dissolving the amcinonide in the solvent of choice, which should be purged with an inert gas. Amcinonide is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of amcinonide in these solvents is approximately 10, 25, and 20 mg/ml, respectively.

Amcinonide is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, amcinonide should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Amcinonide has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Amcinonide is a synthetic corticosteroid.[1] Topical administration of amcinonide reduces inflammation in rat models of carrageenan-induced plantar edema and air pouch granulomas (ID_{50}s = 1.85 and 4.2 mg/kg, respectively).

Reference

1. Wepierre, J. and Bogaievsky, Y. Comparative pharmacological activity of triamcinolone acetonide and of a new topical steroid: Amcinonide, after percutaneous or oral administration (author's transl). *J. Pharmacol.* **11(4)**, 449-462 (1980).

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