Flurandrenolide
Item No. 20933

CAS Registry No.: 1524-88-5
Formal Name: (6α,11β,16α)-6-fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]-pregn-4-ene-3,20-dione
Synonyms: Fludroxycortide, Flurandrenolone, L-33,379
MF: C₂₄H₃₃FO₆
FW: 436.5
Purity: ≥98%
UV/Vis.: \( \lambda_{\text{max}} \): 235 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly

Laboratory Procedures

Flurandrenolide is supplied as a crystalline solid. A stock solution may be made by dissolving the flurandrenolide in the solvent of choice. Flurandrenolide is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of flurandrenolide in ethanol and DMF is approximately 15 mg/ml and approximately 1 mg/ml in DMSO.

Description

Flurandrenolide is a topical corticosteroid with anti-inflammatory actions.\(^1\) It has also been shown to activate EGFR with an \( EC_{50} \) value of 23 nM.\(^2\)

References