PRODUCT INFORMATION

Difluprednate
Item No. 23776

CAS Registry No.: 23674-86-4
Formal Name: 21-(acetyloxy)-6α,9-difluoro-11β-hydroxy-17-(1-oxobutoxy)-pregna-1,4-diene-3,20-dione
Synonym: W-6309
MF: C_{27}H_{34}F_{2}O_{7}
FW: 508.6
Purity: ≥98%
Prepared as: A solid
Storage: -20°C
Stability: ≥2 years

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

Laboratory Procedures

Difluprednate is supplied as a solid. A stock solution may be made by dissolving the difluprednate in the solvent of choice, which should be purged with an inert gas. Difluprednate is slightly soluble in methanol.

Description

Difluprednate is a synthetic glucocorticoid that potently activates the glucocorticoid receptor ($K_i = 78 \text{ pM}$).\textsuperscript{1} In vivo, ocular administration of difluprednate (0.05% w/v) increases intraocular pressure in sheep.\textsuperscript{2} Formulations containing difluprednate have been used to treat diabetic macular edema and inflammation following cataract surgery.

References