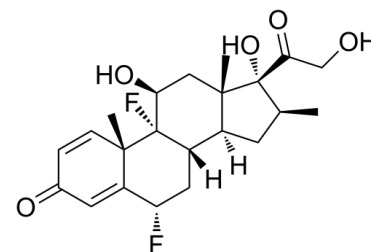


Data Sheet

Product Name:	Diflorasone
Cat. No.:	CS-0017488
CAS No.:	2557-49-5
Molecular Formula:	C ₂₂ H ₂₈ F ₂ O ₅
Molecular Weight:	410.45
Target:	Others
Pathway:	Others
Solubility:	DMSO : 130 mg/mL (316.73 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Diflorasone act as a **corticosteroid hormone receptor** agonist with anti-inflammatory and immunosuppressive properties. Diflorasone enters the cell by diffusion across the cell membrane and binds to the glucocorticoid receptor (GR) in the cytoplasm. Diflorasone is used for the research of skin diseases such as eczema or psoriasis^[1]. IC50 & Target: IC50: corticosteroid hormone receptor^[1]

References:

[1]. Wickrema Sinha AJ, et al. Percutaneous absorption and excretion of tritium-labeled diflorasone diacetate, a new topical corticosteroid in the rat, monkey and man. J Invest Dermatol. 1978 Dec;71(6):372-7.

CAIndexNames:

Pregna-1,4-diene-3,20-dione,6,9-difluoro-11,17,21-trihydroxy-16-methyl-,(6α,11β,16β)-

SMILES:

C[C@@]12[C@](C(CO)=O)(O)[C@@H](C)C[C@@]1([H])[C@]3([H])C[C@H](F)C4=CC(C=C[C@]4(C)[C@@]3(F)[C@@H](O)C2)=O

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

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