

Product Information

Desoximetasone, Purity $\geq 98\%$

Cat. No.: X24-09-YM1431

Size: 10 mg; 20 mg; 50 mg; 100 mg

MDL: MFCD00083301

CAS Number: 382-67-2

Compound CID: 5311067

Synonym: 382-67-2; A 41-304; A 41304; A-41-304; Desoximetasone;

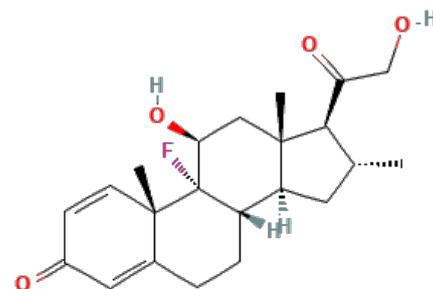
Desoximetasona; Desoximetonum; Desoxymethasone; Flubason; Baril; R 2113;

Stiedex; Topicort; Topicort LP; Topisolon;

(8*S*,9*R*,10*S*,11*S*,13*S*,14*S*,16*R*,17*S*

)-9-Fluoro-11-hydroxy-17-(2-hydroxyacetyl)-10,13,16-trimethyl-7,8,11,12,14,15,16,17-

octahydro-6*H*-cyclopenta[*a*]phenanthren-3-one



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Desoximetasone, soluble in DMSO and ethanol and insoluble in water, is a medication. The molecular weight of the compound is 376.46, and its molecular formula is C ₂₂ H ₂₉ FO ₄ .
Molecular Weight	376.46
Molecular Formula	C ₂₂ H ₂₉ FO ₄
IUPAC Name	(8 <i>S</i> ,9 <i>R</i> ,10 <i>S</i> ,11 <i>S</i> ,13 <i>S</i> ,14 <i>S</i> ,16 <i>R</i> ,17 <i>S</i>))-9- -Fluo ro-11-hydr oxy-17-(2-hydroxyac etyl)-10,13,16-trimethyl-7,8,11,12,14,15,16,17-octahydro-6 <i>H</i> -cyclopenta[<i>a</i>]phenanthren-3-one
InChI	InChI=1S/C22H29FO4/c1-12-8-16-15-5-4-13-9-14(25)6-7-21(13,3)22(15,23)18(27)10-20(16,2)19(12))17(26)11-24/h6-7,9,12,15-16,18-19,24,27H,4-5,8,10-11H2,1-3H3/t12-,15+,16+,18+,19-,20+,21+,22 +/m1/s1
InChI Key	VWVSBHGCDBMOOT-IIIEHVJPSA-N
Canonical SMILES	CC1CC2C3CCC4=CC(=O)C=CC4(C3(C(CC2(C1C(=O)CO)C)O)F)C
Isomeric SMILES	C1C[C@H](CNC1)C(=O)NNC(=O)[C@@H]2CC[C@@H]3CN2C(=O)N3OS(=O)(=O)O
Form	Lyophilized powder



Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 70 mg/mL (185.94 mM); Water: insoluble; Ethanol: 70 mg/mL (185.94 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Desoximetasone plays a key role in inhibiting the expression of pro-inflammatory proteins and genes.
Storage	Store at -20°C, and keep desiccated.
