

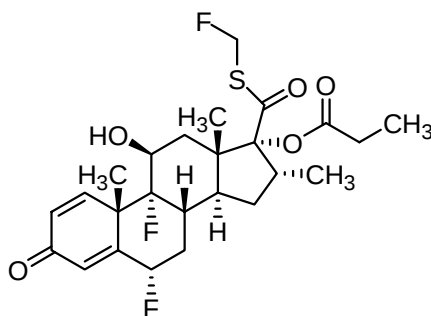
Product Information

Fluticasone Propionate

Product Number **F 9428**
 Store at Room Temperature

Cas #: 080474-14-2

Chemical Name: (6 α , 11 β , 16 α , 17 α)-6,9-difluoro-11-hydroxy-16-methyl-3-oxo-17-(1-oxopropoxy)androst-1,4-diene-17-carbothioic acid S-(fluoromethyl) ester
 Synonyms: Flonase, Flovent, Cutivate, Flixotide, Flixonase, Flunase



Product Description

Molecular Formula: C₂₅H₃₁F₃O₅S
 Molecular Weight: 500.6

Glucocorticoids exert anti-inflammatory effects through transrepression of the transcription factor activator protein-1 (AP-1) and nuclear factor- κ B (NF- κ B). Adverse effects of glucocorticoids are mediated through gene transactivation.

Fluticasone Propionate is a second generation glucocorticoid, which is used as an anti-inflammatory agent for asthma. Fluticasone propionate has the ability to trigger gene activation. It has been shown that fluticasone propionate enhances eosinophil apoptosis in a concentration-dependent manner via the glucocorticoid receptor.

Storage/Stability

Store at room temperature.

References

1. Zhang, X., et al., Enhancement of human eosinophil apoptosis by fluticasone propionate, budesonide, and beclomethasone. Eur. J. Pharmacol., **406**, 325-332 (2000).
2. Adcock, I.M., et al., Ligand-induced differentiation of glucocorticoid receptor (GR) transrepression and transactivation: preferential targeting of NF κ B and lack of I κ B involvement. Br. J. Pharmacol., **127**, 1003-1011 (1999).

KAA 03/04

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