Datasheet

Product overview

Name
Fluticasone propionate
Cat No
HB1091
Short description
Selective glucocorticoid receptor agonist
Biological description
Selective glucocorticoid receptor agonist ($K_d = 0.5 \text{ nM}$). Reduces expression of mast cells, suppresses mast cell degranulation, enhances eosinophil apoptosis and inhibits T cell proliferation. Potentiates $K_v1$ channel current ($EC_{50} = 37 \text{ nM}$). Shows anti-inflammatory and anti-allergy actions.

Biological action
Agonist

Properties

Chemical name
(6α,11β,16α,17α)-6,9-Difluoro-11-hydroxy-16-methyl-3-oxo-17-(1-oxopropoxy)androsta-1,4-diene-17-carbothioic acid fluoromethyl ester
Molecular Weight
500.57

Molecular Formula
$C_{25}H_{31}F_3O_5S$
CAS Number
80474-14-2

Storing and Using Your Product

Storage instructions
room temperature
Solubility overview
soluble in DMSO (50mM)
Important
This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

References for Fluticasone propionate

The anti-inflammatory profile of fluticasone propionate.


PubMedID:
7604948
Basic research on virus-induced asthma exacerbation: inhibition of inflammatory chemokine expression by fluticasone propionate.

PubMedID: 23711858

Potentiation of the Kv1 family K(+) channel by cortisone analogues.

PubMedID: 22803826

Enhancement of human eosinophil apoptosis by fluticasone propionate, budesonide, and beclomethasone.

PubMedID: 11040338