

Cucurbitacin I

Cat. No. CEI-1077

Lot. No. (See product label)

Introduction

Description

Selective inhibitor of STAT3/JAK2 signaling. Inhibits the activation of STAT3 and JAK2 and displays no activity on Src, Akt, ERK and JNK. Suppresses phosphotyrosine levels of STAT3, inhibits STAT3 DNA binding and STAT3-mediated gene expression. Induces apoptosis in cell lines expressing constitutively active tyrosine-phosphorylated STAT3.

Synonyms

APRF, HIES

Product Information

CAS No.

2222-07-3

Molecular Formula

C₃₀H₄₂O₇

Chemical Name

(9β,10α,16α,23E)-2,16,20,25-Tetrahydroxy-9-methyl-19-norlanosta-1,5,23-triene-3,11,22-trione

Molecular Weight

514.65

Purity

>98 %

Targets

STAT3, JAK2

Solubility

Soluble to 10 mM in DMSO and to 20 mM in ethanol

Storage and Shipping Information

Storage

-20 centigrade

Stability

Stable under recommended storage conditions.