Herboxidiene

Spliceosome inhibitor

A novel polyketide fermentation product produced by *Streptomyces chromofuscus*, originally discovered by screening for herbicidal activity. Potent and selective inhibitor of spliceosome subunit SF3b. Specifically targets SAP155, a subunit of SF3b responsible for pre-mRNA splicing. Displays anti-angiogenic activity via down-regulation of VEGFR-2 and HIF-1α. Spliceosome inhibitors have attracted enormous attention due to their potential use in cancer treatment.

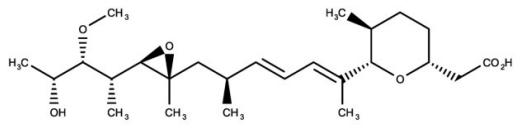
Ordering Information

Order Online »

ENZ-CHM487-0005	5mg

Manuals, SDS & CofA

View Online »


H3C
O
CH3
O
OH
CH3
CH3
CH3
H3C
CH3
O
CO2H

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	GEX1A
Appearance	White solid.
CAS	142861-00-5
Couple Target	Splicing factor 3B
Couple Type	Inhibitor
Formula	$C_{25}H_{42}O_6$
Identity	Determined by NMR.
MW	438.60
Purity	≥97% (HPLC)
Solubility	Soluble in DMSO or ethanol.

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