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DATASHEET

Celastrol

Product overview

 Name
 Celastrol

 Cat No
 HB4605

 Purity
 >98%

Description Anti-oxidant, anti-inflammatory compound with many actions. Topoisomerase II inhibitor.

Biological Data

Biological description Anti-oxidant, anti-inflammatory compound with many actions. Topoisomerase II and NF-κB inhibitor.

Modulates various signaling pathways. Also inhibits 20S proteasome chymotrypsin-like activity.

Solubility & Handling

Storage instructions +4°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Molecular Weight Chemical structure 450.6

H₃C

CH₃

CH₃

CH₃

CH₃

Molecular Formula $C_{29}H_{38}O_4$ CAS Number34157-83-0PubChem identifier122724

 $\text{SMILES} \qquad \qquad \text{O=C2C(O)=C(C)C1=CC=C([C@](CC[C@]5(C)[C@]([H])4C[C@](C)([C@@](O)=O)CC5)(C)[C@@]4}$

(C)CC3)[C@]3(C)C1=C2

InChiKey KQJSQWZMSAGSHN-JJWQIEBTSA-N

Appearance Red solid