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DATASHEET

Wedelolactone

Product overview

Name	Wedelolactone
Cat No	HB4124
Purity	>98%
Description	Selective IKK α and IKK β kinase activity inhibitor. NF- κ B inhibitor.

Biological Data

Biological description	Cell permeable, selective and irreversible IKKalpha and beta kinase activity inhibitor. NF-kappaB inhibitor. Blocks phosphorylation and degradation of IkappaBalpha. Antihepatotoxic. 5-Lipoxygenase (5-LOX) inhibitor. Anti-inflammatory. HIV-1 integrase inhibitor. Anticancer and antiproliferative compound. Modulates androgen receptor (AR) activation. Apoptosis inducer via downregulation of PKCepsilon. DNA topoisomerase IIalpha inhibitor. G protein-coupled receptor-35 (GPR35) agonist. Inhibits adipogenic differentiation of mesenchymal stem cells (hAMSCs) through ERK pathway. STAT1 protein dephosphorylation inhibitor. Antifibrotic.
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Solubility & Handling

Storage instructions	+4°C
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

Chemical name	7-Methoxy-5,11,12-trihydroxy-coumestan
Molecular Weight	314.2
Chemical structure	The chemical structure shows a coumestan core with a methoxy group (-OCH ₃) at position 7. It has three hydroxyl groups (-OH) at positions 5, 11, and 12. There is also a carbonyl group (-C=O) at position 11.
CAS Number	524-12-9
PubChem identifier	0
SMILES	COc1cc(O)c2c(OC(=O)c3c2oc4cc(O)c(O)cc34)c1
InChiKey	XQDCKJJKMFWXGB-UHFFFAOYSA-N
Appearance	Yellow to amber crystalline powder