

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

### Wedelolactone

#### Product overview

<b>Name</b>	Wedelolactone
<b>Cat No</b>	HB4124
<b>Purity</b>	>98%
<b>Description</b>	Selective IKK $\alpha$ and IKK $\beta$ kinase activity inhibitor. NF- $\kappa$ B inhibitor.

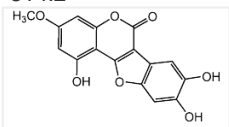
#### Biological Data

<b>Biological description</b>	Cell permeable, selective and irreversible IKK $\alpha$ and beta kinase activity inhibitor. NF- $\kappa$ B inhibitor. Blocks phosphorylation and degradation of IkappaB $\alpha$ . 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 PKC $\epsilon$ . DNA topoisomerase II $\alpha$ 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

<b>Storage instructions</b>	+4 °C
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

#### Chemical Data

<b>Chemical name</b>	7-Methoxy-5,11,12-trihydroxy-coumestan
<b>Molecular Weight</b>	314.2
<b>Chemical structure</b>	
<b>CAS Number</b>	524-12-9
<b>PubChem identifier</b>	0
<b>SMILES</b>	<chem>COc1cc(O)c2c(OC(=O)c3c2oc4cc(O)c(O)cc34)c1</chem>
<b>InChiKey</b>	XQDCKJKMFWXGB-UHFFFAOYSA-N
<b>Appearance</b>	Yellow to amber crystalline powder