

Product Name	: (5Z)-7-Oxozeaenol
Synonyms	: 5Z-7-oxozeaenol
Cat No.	: M15511
CAS Number	: 66018-38-0
Molecular Formula	: C ₁₉ H ₂₂ O ₇
Formula Weight	: 362.37
Chemical Name	: (3S,5Z,8S,9S,11E)-3,4,9,10-Tetrahydro-8,9,16-trihydroxy-14-methoxy-3-methyl-1H-2-benzoxacyclotetradecin-1,7(8H)-dione
Description	(5Z)-7-Oxozeaenol is a potent and selective TAK1 inhibitor with IC ₅₀ of 8 nM, displays >33-fold and >62-fold selectivity over MEKK1 and MEKK4 respectively; inhibits IL-1-induced activation of NF-κB (IC ₅₀ = 83 nM) and JNK/p38; also inhibits production of inflammatory mediators, and sensitizes cells to TRAIL- and TNF-α-induced apoptosis in vitro.
Pathway	: NF-κB
Target	: TAK1
Receptor	: TAK1
Solubility	: —
SMILES	: <chem>CC1CC=CC(=O)C(C(C(=CC2=C(C(=CC(=C2)OC)O)C(=O)O1)O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Windheim M, et al. Biochem J. 2007 Jun 1;404(2):179-90. 2. Choo MK, et al. Mol Cancer Ther. 2006 Dec;5(12):2970-6. 3. Ninomiya-Tsuji J, et al. J Biol Chem. 2003 May 16;278(20):18485-90.

