

Catalog	Unit
TBI3023 - 1MG	1 mg
TBI3023 - 5MG	5 mg

Product Details

Formal 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

Alternate Names: LL-Z-1640-2

Molecular Formula: C₁₉H₂₂O₇

Formula Weight: 362.38

CAS Number: 253863-19-3

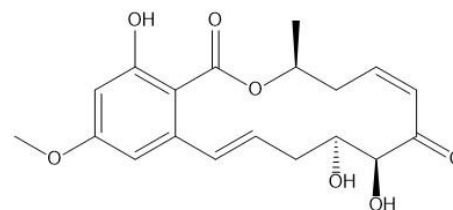
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (9 mg/ml); ethanol (3 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

TAK1 inhibitor

Functions

(5Z)-7-Oxozeaenol (253863-19-3) is a potent and selective inhibitor of TAK1 (mitogen activated protein kinase kinase kinase) IC₅₀ = 8 nM. Selective over MEKK1 and MEKK2. Blocks IL-1-induced activation of TAK1 in cell culture. Blocks the production of pro-inflammatory cytokines and displays anti-inflammatory activity in various models.

Application Procedures

First dissolved in DMSO (9 mg/ml) or ethanol (3 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

For research use only.