

Product Name	: JOSAMYCIN
Synonyms	: EN-141
Cat No.	: M20653
CAS Number	: 16846-24-5
Molecular Formula	: C ₄₂ H ₆₉ NO ₁₅
Formula Weight	: 827.99
Chemical Name	: Leucomycin V 3-acetate 4(sup B)-(3-methylbutanoate)
Description	: JOSAMYCIN is a macrolide antibiotic exhibiting antimicrobial activity. The dissociation constant K _d from ribosome for Josamycin is 5.5 nM.
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: Bacterial
Solubility	: DMSO:41.67 mg/mL (50.33 mM)
SMILES	: <chem>CC([C@H]1[C@@H](CC(=O)O[C@H](C)C=C=C[C@H](O)[C@H](C)C[C@H](CC(=O)[C@@H]1O[C@@H]1O[C@H](C)[C@@H](O[C@H]2C[C@@](C)(O)[C@@H](OC(=O)CC(C)C)[C@H](C)O2)[C@@H]([C@H]1O)N(C)C)OC(=O)C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Eun-Young C So-Hui C Jin-Yi H et al. Josamycin suppresses Prevotella intermedia lipopolysaccharide-induced production of nitric oxide and interleukin-1β in murine macrophages[J]. Biomedicine & Pharmacotherapy 2018 105:498-505.