

Product Name	: Ivermectin
Synonyms	: MK-933; Ivermectin; Iomec; L 64047; 1 Mectizan; MK 933; MK-0933; Noromectin; Pandex
Cat No.	: M15700
CAS Number	: 70288-86-7
Molecular Formula	: C ₄₈ H ₇₄ O ₁₄
Formula Weight	: 875.09
Chemical Name	: 22,23-dihydroavermectin B1a + 22,23-dihydroavermectin B1b
Description	: Ivermectin is a broad-spectrum antiparasitic drug in the avermectin family. It is taken internally or used topically, depending on the treated condition.
Pathway	: Microbiology/Virology
Target	: GluCl _s
Receptor	: GluCl channels; P2 receptor
Solubility	: Ethanol: 28 mg/mL (31.99 mM); DMSO: 175 mg/mL (199.97 mM)
SMILES	: <chem>CCC([C@@H]1[C@@H](C)CC[C@]2(CC3C[C@@H](C/C=C(C)/[C@@H](O[C@@H]4C[C@@H](OC)[C@@H](OC5C[C@@H](OC)[C@@H](O)[C@@H](C)O5)[C@@H](C)O4)[C@@H](C)/C=C/C=C6C[C@@H]7[C@]6(O)[C@@H](C(O3)=O)C=C(C)[C@@H]7O)O2)O1)C.[C@@H]8CC[C@]9(O[C@@H]8C(C)C)CC%10C[C@@H](C/C=C(C)/[C@@H](O[C@@H]11C[C@@H](OC)[C@@H](OC%12C[C@@H](OC)[C@@H](O)[C@@H](C)O%12)[C@@H](C)O%11)[C@@H](C)/C=C/C=C%13CO[C@@H]14[C@]1%13(O)[C@@H](C(O%10)=O)C=C(C)[C@@H]14O)O9</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wagstaff KM, et al. Biochem J, 2012, 443(3), 851-856.