

Product Name	: Artefenomel
Synonyms	: OZ439
Cat No.	: M10144
CAS Number	: 1029939-86-3
Molecular Formula	: C ₂₈ H ₃₉ NO ₅
Formula Weight	: 469.62
Chemical Name	: 4-[2-(4-cis-Dispiro[cyclohexane-1,3'-[1,2,4]trioxolane-5',2"-tricyclo[3.3.1.1 ^{3,7}]decan]-4-ylphenoxy)ethyl]morpholine
Description	: Artefenomel (OZ439) is a novel, next-generation antimalarial ozonide that demonstrates high potency against <i>P. falciparum</i> in vitro and <i>P. berghei</i> in vivo (K1/NF54, IC ₅₀ =2.0/3.2 nM). Parasite Infection Phase 2 Clinical
Pathway	: Microbiology/Virology
Target	: Parasite
Receptor	: Parasite
Solubility	: —
SMILES	: <chem>C1CC2(CCC1C3=CC=C(C(C=3)OCCN4CCOCC4)OC5(C6CC7CC(C6)CC5C7)OO2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Dong Y, et al. J Med Chem. 2017 Apr 13;60(7):2654-2668. | 2. Kim HS, et al. J Med Chem. 2017 Apr 13;60(7):2651-2653. | 3. Macintyre F, et al. BMC Med. 2017 Oct 9;15(1):181. | 4. Yang T, et al. Antimicrob Agents Chemother. 2016 Jul 22;60(8):4501-10.