PRODUCT INFORMATION

Cayman CHEMICAL

3-keto Fusidic Acid
Item No. 33855

CAS Registry No.:	4680-37-9
Formal Name:	(4α,8α,9β,11α,13α,14β,16β,17Z)-16-(acetyloxy)-11-hydroxy-3-oxo-29-nordammara-17(20),24-dien-21-oic acid
Synonyms:	3-keto FA, 3-Oxofusidic Acid
MF:	$C_{31}H_{46}O_6$
FW:	514.7
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years
Item Origin:	Synthetic
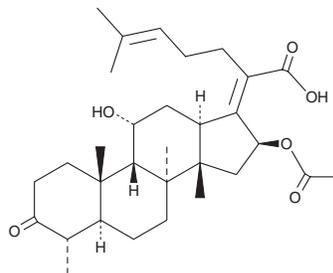
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

3-keto Fusidic acid (3-keto FA) is supplied as a solid. A stock solution may be made by dissolving the 3-keto FA in the solvent of choice, which should be purged with an inert gas. 3-keto FA is slightly soluble in chloroform and methanol.

Description

3-keto FA is an active metabolite of the antibiotic fusidic acid (Item No. 14825).[1] 3-keto FA is active against *M. tuberculosis* (MIC_{99} = 1.25 μM).

Reference

1. Strydom, N., Kaur, G., Dziwornu, G.A., *et al*. Pharmacokinetics and organ distribution of C 3 alkyl esters as potential antimycobacterial prodrugs of fusidic acid. *ACS Infect. Dis*. **6(3)**, 459-466 (2020).