Azithromycin impurity I, EvoPure®
PRODUCT DATA SHEET

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Product Name:	Azithromycin impurity I, EvoPure®
Product Number:	A081
CAS Number:	172617-84-4
Molecular Formula:	$C_{37}H_{70}N_2O_{12}$
Molecular Weight:	734.96
Appearance:	White powder
pH:	8-9
Melting Point:	126.7-127.7°C
Storage Conditions:	-20°C

Description:

Azithromycin impurity I, EvoPure® (3'-N-demethylazithromycin) is one of several impurities found in Azithromycin and can be used as a reference standard for impurity profiling.

TOKU-E carries the following Azithromycin derivatives:

- Azithromycin impurity I, EvoPure® (A081)
- Azithromycin Impurity E, EvoPure® (A074)
- Azithromycin Impurity F, EvoPure® (A075)
- Azithromycin Impurity G, EvoPure® (A083)
- Azithromycin impurity J, EvoPure® (A082)
- Azithromycin impurity L, EvoPure® (A078)

Technical Data:

HPLC, NMR, FTIR, and MS analysis may be available. For more info, please email info@toku-e.com.

References:

Gladue RP, Bright GM, Isaacson RE, Newborg MF (1989) *In vitro* and *in vivo* uptake of Azithromycin (CP-62,993) by phagocytic cells: Possible mechanism of delivery and release at sites of infection. Antimicrob. Agents Chemother. 33(3):277-282 PMID 2543276

Lovmar, M and Tenson T (2003) The Mechanism of Action of Macrolides, Lincosamides and Streptogramin B Reveals the Nascent Peptide Exit Path in the Ribosome."Journal of Molecular Microbiology 330 (5):1005-1014. PMID 12860123

Wolf K and Malinverni R (1999) Effect of Azithromycin plus Rifampin versus that of Azithromycin alone on the eradication of *Chlamydia pneumoniae* from lung tissue in experimental pneumonitis. Antimicrob. Agents Chemother. 43(6):1491-1493. PMID 10348778