CERTIFICATE OF ANALYSIS

(Certificate No. KMZ003009-01)

Release Date: 20/10/2026 **Re-test Date:** 19/10/2029

ZOLPIDEM EP IMPURITY E

Identification

Chemical Name :
(2E)-N,N-dimethyl-4-(4-methylphenyl)-4-oxobut-2-enamide (as per EP) ; N,N-Dimethyl-4-oxo-4-(p-tolyl)but-2-enamide (as per USP)

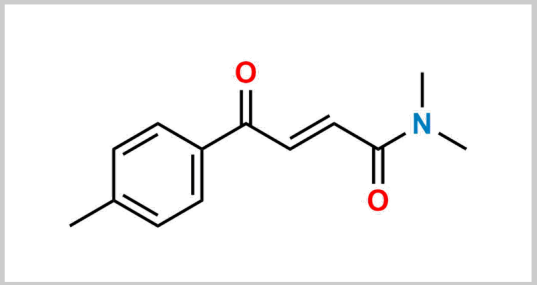
Alt. Name : Tolyloyl Acrylamide (USP)

CAT No. : KMZ003009

CAS No. : 83192-85-2

Molecular Formula : C13H15NO2

Molecular Weight : 217.3



Analytical Information

Batch No.	: ZOL-EP-IMP-E-019-356	**Solubility**	: Acetonitrile
Description	: Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 97.23 %	**IR**	: Confirm
Weight Loss By TGA	: 0.32 %	**1H NMR**	: Confirm
% Potency	: 96.92 %		

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.32(Weight Loss By TGA)] x [97.23(HPLC Purity)]/100 = 96.92 %
-Re-tested on 20.10.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		20/10/2026
Reviewed & Approved By	Quality Control	Jatin Patel		20/10/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA