

CERTIFICATE OF ANALYSIS

(Certificate No. KMV008049-02)

Release Date: 18/07/2024

Re-test Date: 17/07/2027

Azido Tetrazole Impurity (Valsartan Impurity 13)

Identification

Chemical Name :

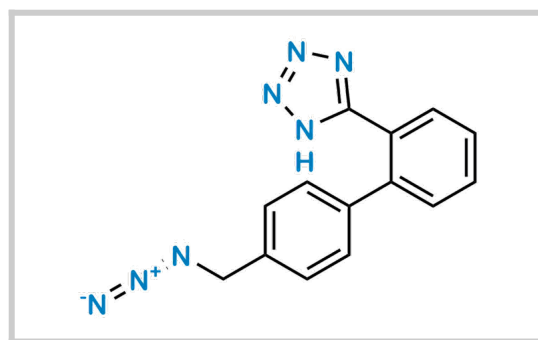
5-(4'-(Azidomethyl)-[1,1'-biphenyl]-2-yl)-1H-tetrazole

CAT No. : KMV008049

CAS No. : 152708-24-2

Molecular Formula : C₁₄H₁₁N₇

Molecular Weight : 277.3



Analytical Information

Batch No. : VAL-IMP-13-019-212

Solubility : Acetonitrile

Description : Off White Low Melting Solid (Sticky Liquid above 20° C)

Mass : Confirm

HPLC Purity : 99.31 %

IR : Confirm

Weight Loss By TGA : 2.79 %

¹H NMR : Confirm

% Potency : 96.54 %

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 - 2.79(Weight Loss By TGA)] x [99.31(HPLC Purity)]/100 = 96.54 %
-Re-tested on 18.07.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		12/05/2025

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