

Product Data Sheet

Product Name: VNPP433-3 β

Cat. No.: GC73896

Chemical Properties

Cas. No. 1630820-51-7

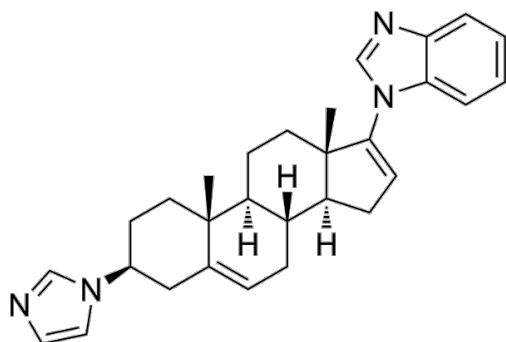
Formula C₂₉H₃₄N₄ M.Wt 438.61

Solubility DMSO : 10 mg/mL (22.80 mM; ultrasonic and warming and heat to 60°C) Storage 4°C, protect from light, stored under nitrogen

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

VNPP433-3 β is a molecular glue degrader, which degrades androgen receptor (AR) and its splice variants (AR-Vs) and MAP kinase-interacting serine/threonine protein kinase Mnk1/2. VNPP433-3 β inhibits proliferation of cancer cell LNCaP, C4-2B and CWR22Rv1 with GI50 of 0.2, 0.3 and 0.31 μ M. VNPP433-3 β exhibits good pharmacokinetic characters in CD-1 mouse and inhibits tumor growth in the CWR22Rv1 xenograft mouse model.

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[1]. Thankan RS, et al., Salinization Dramatically Enhance the Anti-Prostate Cancer Efficacies of AR/AR-V7 and Mnk1/2 Molecular Glue Degraders, Galeterone and VNPP433-3 β Which Outperform Docetaxel and Enzalutamide in CRPC CWR22Rv1 Xenograft Mouse Model. Bioorg Chem. 2023 Oct;139:106700.

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