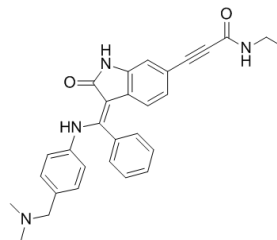


Product Name	: BI-847325
Synonyms	: BI847325;BI 847325
Cat No.	: M10762
CAS Number	: 1207293-36-4
Molecular Formula	: C ₂₉ H ₂₈ N ₄ O ₂
Formula Weight	: 464.56
Chemical Name	: 2-Propynamide, 3-[3-[[[4-[(dimethylamino)methyl]phenyl]amino]phenylmethylene]-2,3-dihydro-2-oxo-1H-indol-6-yl]-N-ethyl-
Description	: A novel ATP-competitive MEK/Aurora kinase inhibitor; inhibits human Aurora A (IC ₅₀ =25 nM) and Aurora C(IC ₅₀ =16 nM); also inhibits MEK1 (IC ₅₀ =25 nM) and MEK2 (IC ₅₀ =6 nM); reduces expression of p-ERK and p-Histone 3 in multiple models of vemurafenib resistance; decreases the expression of MEK and Mcl-1 and increases the expression of BIM; orally bioavailable.Solid Tumors Phase 1 Clinical
Pathway	: MAPK/ERK Signaling
Target	: MEK
Receptor	: AuroraA(Human);AuroraB(Xenopuslaevis);AuroraC(Human);MEK1;MEK2
Solubility	: DMSO: ≥36 mg/mL
SMILES	: <chem>O=C(NCC)C#CC1=CC(NC(=O)C(C=C1)C2=C(NC3=CC=C(CN(C)C)C=C3)/C4=CC=CC=C4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Phadke MS, et al. Mol Cancer Ther. 2015 Jun;14(6):1354-64.| 2. Sini P, et al. Mol Cancer Ther. 2016 Oct;15(10):2388-2398.