

Product Name	: eIF4A3-IN-2
Synonyms	: —
Cat No.	: M13298
CAS Number	: 2095677-20-4
Molecular Formula	: C ₂₅ H ₁₉ Br ₂ ClN ₄ O ₂
Formula Weight	: 602.71
Chemical Name	: (S)-(4-(4-bromobenzoyl)-3-(4-chlorophenyl)piperazin-1-yl)(6-bromopyrazolo[1,5-a]pyridin-3-yl)methanone
Description	: eIF4A3-IN-2 is an allosteric, selective, non-competitive eIF4A3 inhibitor with IC ₅₀ of 0.11 uM, exhibits noncompetitive inhibition with ATP or RNA and high selectivity for eIF4A3 over other helicases; suppresses the helicase activity of eIF4A3 in an ATPase-dependent manner; targets the exon junction complex (EJC) and suppresses nonsense-mediated mRNA decay.
Pathway	: Nuclear Receptor/Transcription Factor
Target	: eIF
Receptor	: eIF
Solubility	: DMSO : 100 mg/mL 165.92 mM
SMILES	: <chem>O=C(C1=CC=C(Br)C=C1)N2CCN(C(C3=C4N(C=C(Br)C=C4)N=C3)=O)C[C@@H]2C5=CC=C(Cl)C=C5</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Iwatani-Yoshihara M, et al. ACS Chem Biol. 2017 Jul 21;12(7):1760-1768.

