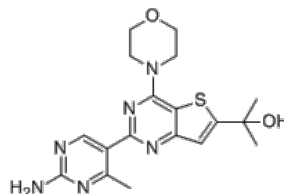


Product Name	: GNE-490
Synonyms	: GNE490
Cat No.	: M10164
CAS Number	: 1033739-92-2
Molecular Formula	: C ₁₈ H ₂₂ N ₆ O ₂ S
Formula Weight	: 386.47
Chemical Name	: 2-(2-Amino-4-methyl-5-pyrimidinyl)-α,α-dimethyl-4-(4-morpholinyl)thieno[3,2-d]pyrimidine-6-methanol
Description	: GNE-490 is a potent, selective, orally available class I PI3K inhibitor with IC ₅₀ of 3.5/25/5.2/15 nM for PI3Kα/PI3Kβ/PI3Kγ/PI3Kδ; shows >200-fold selectivity over mTOR (IC ₅₀ =740 nM); has good PK profiles, and are efficacious in xenograft models.
Pathway	: PI3K/Akt/mTOR signaling
Target	: PI3K
Receptor	: PI3K
Solubility	: —
SMILES	: <chem>CC1=NC(=NC=C1C2=NC3=C(C(=N2)N4CCOCC4)SC(=C3)C(C)(C)O)N</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Sutherlin DP, et al. J Med Chem. 2010 Feb 11;53(3):1086-97. | 2. Sampath D, et al. Neoplasia. 2013 Jul;15(7):694-711.