

Product Name	: NH-125
Synonyms	: NH 125;NH125
Cat No.	: M13851
CAS Number	: 278603-08-0
Molecular Formula	: C ₂₇ H ₄₅ IN ₂
Formula Weight	: 524.56
Chemical Name	: 1H-Imidazolium, 1-hexadecyl-2-methyl-3-(phenylmethyl)-, iodide (9CI)
Description	: A potent eukaryotic eEF-2 kinase (eEF2K) inhibitor with IC ₅₀ of 60 nM in vitro and blocks the phosphorylation of eEF-2 in intact cells; shows relative selectivity over other protein kinases: PKC (IC ₅₀ =7.5 uM), PKA (IC ₅₀ =80 uM), and CaMKII (IC ₅₀ >100 uM); shows efficacious anti-proliferation activityt against different cancer cells.
Pathway	: Nuclear Receptor/Transcription Factor
Target	: eIF
Receptor	: CaMKII;eEF-2kinase;PKA;PKC
Solubility	: DMSO: 52.5 mg/mL (100 mM); Ethanol: 39.3 mg/mL (75 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
SMILES	: <chem>CC1=[N+](CC2=CC=CC=C2)C=CN1CCCCCCCCCCCCCCCCC.[I-]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Yamamoto K, et al. Biosci Biotechnol Biochem. 2000 Apr;64(4):919-23.| 2. Arora S, et al. Cancer Res. 2003 Oct 15;63(20):6894-9.| 3. Chen Z, et al. J Biol Chem. 2011 Dec 23;286(51):43951-8.