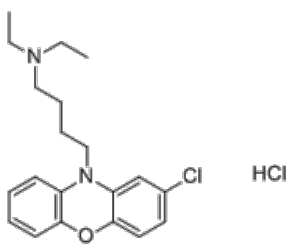


Product Name	: 10-NCP	
Synonyms	: 10-DEBC;NCP	
Cat No.	: M16632	
CAS Number	: 925681-41-0	
Molecular Formula	: C ₂₀ H ₂₆ Cl ₂ N ₂ O	
Formula Weight	: 381.34	
Chemical Name	: 10-[4'-(N,N-Diethylamino)butyl]-2-chlorophenoxazine hydrochloride	
Description	: 10-NCP (10-DEBC) is a potent neuronal autophagy inducer and increases TDP43 clearance, a reversible and specific inhibitor of Akt activity in vitro (complete inhibition at < 5 uM); displays minimal effect on PI3K, PDK1, or SGK1; blocks IGF-I stimulated nuclear translocation of Akt in Rh1 cells and suppressed growth of Rh1, Rh18, and Rh30 cells (IC ₅₀ =2-5 uM).	
Pathway	: Cytoskeleton/Cell Adhesion Molecules	
Target	: Akt	
Receptor	: Akt	
Solubility	: —	
SMILES	: CCN(CC)CCCCN1C2=CC=CC=C2OC3=C1C=C(C=C3)Cl.Cl	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Barmada SJ, et al. Nat Chem Biol. 2014 Aug;10(8):677-85. 2. Tsvetkov AS, et al. Proc Natl Acad Sci U S A. 2010 Sep 28;107(39):16982-7. 3. Thimmaiah KN, et al. J Biol Chem. 2005 Sep 9;280(36):31924-35.