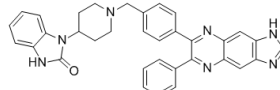


Product Name	: AKT inhibitor VIII	
Synonyms	: AKT inhibitor VIII; AKT-inhibitor-VIII; AKT inhibitor-8; AKT-inhibitor-8; Akt-I 1,2; Akti-1/2. Sigma-A6730	
Cat No.	: M15308	
CAS Number	: 612847-09-3	
Molecular Formula	: C ₃₄ H ₂₉ N ₇ O	
Formula Weight	: 551.64	
Chemical Name	: 2H-Benzimidazol-2-one, 1,3-dihydro-1-[[4-(6-phenyl-1H-imidazo[4,5-g]quinoxalin-7-yl)phenyl]methyl]-4-piperidinyl]-	
Description	: A selective, allosteric Akt inhibitor with IC ₅₀ of 58/210 for Akt1/2 respectively; shows weak activity for Akt3 (IC ₅₀ =2.12 uM); inhibits basal and IGF stimulated Akt1 and Akt2 phosphorylation in mouse lung, with no effect on Akt3 phosphorylation.	
Pathway	: Cytoskeleton/Cell Adhesion Molecules	
Target	: Akt	
Receptor	: Akt1;Akt2;Akt3	
Solubility	: 10 mM in DMSO	
SMILES	: O=C1N(C2CCN(CC3=CC=C(C4=NC5=CC6=C(N=CN6)C=C5N=C4C7=CC=CC=C7)C=C3)CC2)C8=CC=CC=C8N1	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Lindsley, et al. Bioorg. Med. Chem. Lett. (2005), 15(3), 761-764. | 2. Romorini L, et al. Sci Rep. 2016 Oct 20;6:35660.