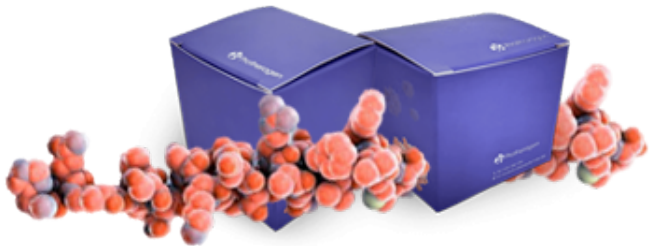
Protheragen Obesity



3CAI

Cat. No.:	OB0225WX-1643
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR, and LC-MS.
Size:	5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 200 mg; 500 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	3CAI acts as a potent and specific inhibitor of AKT1 and AKT2, effectively block ing the expression of downstream targets such as mTOR and GSK3β to trigger apopt otic pathways.
Synonym	28755-03-5; 2-Chloro-1-(1H-indol-3-yl)ethanone; 3CAI; 3-Chloroacetylindole; 2-Ch loro-1-(1H-indol-3-yl)-ethanone; Ethanone, 2-chloro-1-(1H-indol-3-yl)-; DTXSID80 182939; 3-(Chloroacetyl)indole; 2-chloro-1-(1H-indol-3-yl)ethan-1-one; Chloromet hyl indol-3-yl Ketone; 2-Chloro-1-(1H-indol-3-yl)ethanone; MFCD00464796; 3-[(chl oro)acetyl]-indole
CAS No.	28755-03-5
Compound CID	152961
Formula	$C_{10}H_8ClN$
Formula Weight	193.63

Specification

Relative Density	1.337 g/cm^3
IUPAC Name	2-Chloro-1-(1*H*-indol-3-yl)ethanone
InChI	InChI=1S/C10H8ClNO/c11-5-10(13)8-6-12-9-4-2-1-3-7(8)9/h1-4,6,12H,5H2
InChI Key	LLZQFAXTCYDVTR-UHFFFAOYSA-N
SMILES string	C1=CC=C2C(=C1)C(=CN2)C(=O)CCl
Stability	3 years in powder form.

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
Phone: 1-631-506-1393
info@obesityscientific.com

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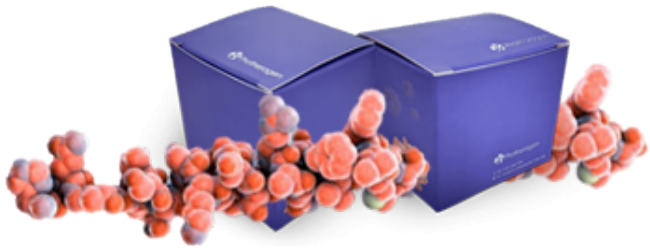

Storage	Storage at -20°C.
Applications	3CAI is utilized in signal transduction research as a dual Akt and PDK1 inhibito r to study the effective disruption of the PI3K/Akt signaling cascade in drug-re sistant cell lines.

Library Information

Target	Akt
Receptor	Akt1; Akt2
Pathways	Cytoskeletal signaling; PI3K/Akt/mTOR signaling
Plate Number	AOCL-22
Plate Location	a8
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	246 mg/mL; 1270.46 mM

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