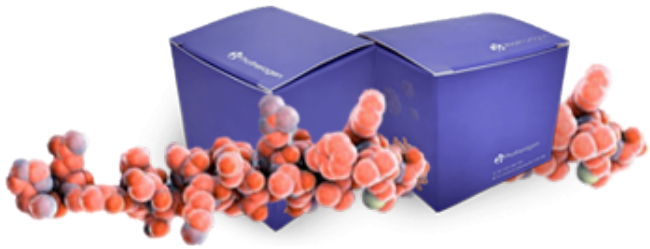
Protheragen Obesity



GSK-3 Inhibitor 5

Cat. No.:	OB0225WX-2156
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and LC-MS.
Size:	1 g; 2 g; 5 g; 10 g; 25 g

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

Product Overview

Description	GSK-3 Inhibitor 5 is a phenacyl bromide derivative that functions as a pharmaceu tical intermediate and an inhibitor of glycogen synthase kinase 3 (GSK-3).
Synonym	4-Cyanophenacyl bromide; 20099-89-2; 4-(2-bromoacetyl)benzonitrile; 4-Cyanophena cyl bromide; 4-(Bromoacetyl)benzonitrile; 2-Bromo-4'-cyanoacetophenone; Benzonit rile, 4-(bromoacetyl)-; p-Cyanophenacyl bromide; Benzonitrile, 4-(2-bromoacetyl) -; 4-(2-bromo-acetyl)-benzonitrile; MFCD00052931; p-Bromoacetylbenzonitrile; 4-b romoacetylbenzonitrile; 4-bromoacetyl benzonitrile; 4-Bromoacetyl-benzonitrile; 2-bromo-4'-cyano acetophenone; 2-bromo-4'-cyano-acetophenone; 4-(2-bromoacetyl)-benzonitrile
CAS No.	20099-89-2
Compound CID	98654
Formula	C_9H_6BrN
Formula Weight	224.05

Specification

Relative Density	1.56 g/cm^3
IUPAC Name	4-(2-Bromoacetyl)benzonitrile
InChI	InChI=1S/C9H6BrNO/c10-5-9(12)8-3-1-7(6-11)2-4-8/h1-4H,5H2
InChI Key	LJANCPRIUMHGJE-UHFFFAOYSA-N
SMILES string	C1=CC(=CC=C1C#N)C(=O)CBr

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

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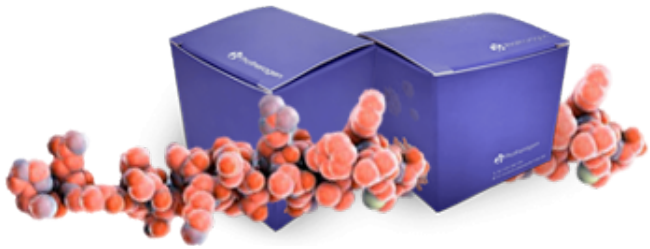

Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	GSK-3 Inhibitor 5 is employed in laboratory experiments to characterize the stru ctural binding affinity of small molecules to the GSK-3 active site and the resu lting modulation of glycogen synthase activity.

Library Information

Target	GSK-3
Receptor	GSK-3
Pathways	Stem cells; PI3K/Akt/mTOR signaling
Plate Number	AOCL-28
Plate Location	e11
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	55 mg/mL; 245.48 mM

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