



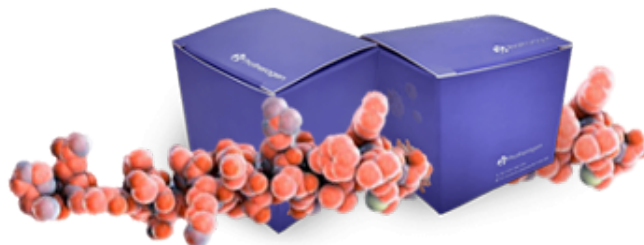
NVP-TNKS656

Cat. No.:	OB0225WX-1701
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and LC-MS.
Size:	1 mg; 2 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

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

Product Overview

Description	NVP-TNKS656 is a highly potent and selective TNKS2 inhibitor characterized by its oral bioavailability and exceptional inhibitory activity.
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Synonym	TNKS656; 1419949-20-4; NVP-TNKS656; 1419949-20-4; TNKS656; NVP-TNKS-656; TNKS-65 6; <i>N</i> -(cyclopropylmethyl)-2-[4-(4-methoxybenzoyl)piperidin-1-yl]- <i>N</i> -[(4-oxo-3,5,7,8-tetrahydropyrano[4,3-d]pyrimidin-2-yl)methyl]acetamide; 1-Piperidineacetamide, <i>N</i> -(cyclopropylmethyl)-4-(4-methoxybenzoyl)- <i>N</i> -[(3,5, 7,8-tetrahydro-4-oxo-4H-pyrano[4,3-d]pyrimidin-2-yl)methyl]-; <i>N</i> -(Cyclopropylmethyl)-2-[4-(4-methoxybenzoyl)piperidin-1-yl]- <i>N</i> -[(4-oxo-3,5,7,8-tetrahydro-4H-pyrano[4,3-d]pyrimidin-2-yl)methyl]acetamide; <i>N</i> -(Cyclopropylmethyl)-2-[4-(4-methoxybenzoyl)piperidin-1-yl]- <i>N</i> -[(4-oxo-4,5,7,8-tetrahydro-3H-pyrano[4,3-d]pyrimidin-2-yl)methyl]acetamide; <i>N</i> -(cyclopropylmethyl)-2-[4-(4-methoxybenzoyl)piperidin-1-yl]- <i>N</i> -[(4-oxo-3H,4H,5H,7H,8H-pyrano[4,3-d]pyrimidin-2-yl)methyl]acetamide; <i>N</i> -(cyclopropylmethyl)-2-[4-(4-methoxybenzoyl)piperidin-1-yl]- <i>N</i> -[(4-oxo-1H,5H,7H,8H-pyrano[4,3-d]pyrimidin-2-yl)methyl]acetamide; <i>N</i> -(cyclopropylmethyl)-2-[4-(4-methoxybenzoyl)piperidin-1-yl]- <i>N</i> -[(4-oxo-3H,5H,7H,8H-pyrano[4,3-d]pyrimidin-2-yl)methyl]acetamide; <i>N</i> -(cyclopropylmethyl)-2-[4-(4-methoxybenzoyl)piperidin-1-yl]- <i>N</i> -[(4-oxo-1,5,7,8-tetrahydropyrano[4,3-d]pyrimidin-2-yl)methyl]acetamide; <i>N</i> -(Cyclopropylmethyl)-4-(4-methoxybenzoyl)- <i>N</i> -[(3,5,7,8-tetrahydro-4-oxo-4H-pyrano[4,3-d]pyrimidin-2-yl)methyl]-1-piperidineacetamide; <i>N</i> -Cyclopropylmethyl-2-[4-(4-methoxybenzoyl)-piperidin-1-yl]- <i>N</i> -(4-oxo-3,5,7,8-tetrahydro-4H-pyrano[4,3-d]pyrimidin-2-yl)methyl]-acetamide; <i>N</i> -Cyclopropylmethyl-2-[4-(4-methoxybenzoyl)piperidin-1-yl]- <i>N</i> -[(4-oxo-4,5,7,8-tetrahydro-4H-pyrano[4,3-d]pyrimidin-2-yl)methyl]acetamide
CAS No.	1419949-20-4
Compound CID	136237316
Formula	C ₂₇ H ₃₄ N ₄ O ₅
Formula Weight	494.58

Specification

Targets&IC50	TNKS2: 6 nM
Relative Density	1.37 g/cm ³
IUPAC Name	<i>N</i> -(Cyclopropylmethyl)-2-[4-(4-methoxybenzoyl)piperidin-1-yl]- <i>N</i> -[(4-oxo-3,5,7,8-tetrahydropyrano[4,3-d]pyrimidin-2-yl)methyl]acetamide
InChI	InChI=1S/C27H34N4O5/c1-35-21-6-4-19(5-7-21)26(33)20-8-11-30(12-9-20)16-25(32)31(14-18-2-3-18)15-24-28-23-10-13-36-17-22(23)27(34)29-24/h4-7,18,20H,2-3,8-17H2,1H3,(H,28,29,34)
InChI Key	DYGBNAYFDZEYBA-UHFFFAOYSA-N
SMILES string	COC1=CC=C(C=C1)C(=O)C2CCN(CC2)CC(=O)N(CC3CC3)CC4=NC5=C(COCC5)C(=O)N4
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	NVP-TNKS656 is used in drug discovery as a highly selective and orally bioavailable tankyrase inhibitor to study the regulation of telomere length and Wnt signaling pathways.

Library Information

Target	Wnt/β-Catenin; PARP
Receptor	PARP; TNKS2
Pathways	Stem cells; Apoptosis; Chromatin/Epigenetic; Cytoskeletal signaling; DNA damage/ DNA repair
Plate Number	AOCL-22
Plate Location	g6
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	93 mg/mL; 188 mM
Water Max Solubility	<1 mg/mL (insoluble or slightly soluble)
Ethanol Max Solubility	10 mg/mL; 20.21 mM