

UBP684

## Chemical Properties

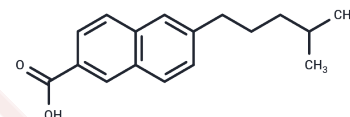
CAS No. : 1357838-47-1

Formula: C<sub>17</sub>H<sub>20</sub>O<sub>2</sub>

Molecular Weight: 256.34

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	UBP684 is an NMDAR pan-PAM. UBP684 increases the maximal l-glutamate/glycine response while having minor subunit-specific effects on agonist potency. It robustly potentiates responses at all GluN1/GluN2 subtypes and at neuronal NMDARs.
Targets(IC50)	Others, iGluR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9011 mL	19.5053 mL	39.0107 mL
5 mM	0.7802 mL	3.9011 mL	7.8021 mL
10 mM	0.3901 mL	1.9505 mL	3.9011 mL
50 mM	0.078 mL	0.3901 mL	0.7802 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Chopra DA, Sapkota K, Irvine MW, Fang G, Jane DE, Monaghan DT, Dravid SM. A single-channel mechanism for pharmacological potentiation of GluN1/GluN2A NMDA receptors. *Sci Rep.* 2017 Jul 31;7(1):6933. doi: 10.1038/s41598-017-07292-8. PubMed PMID: 28761055; PubMed Central PMCID: PMC5537304.

Sapkota K, Irvine MW, Fang G, Burnell ES, Bannister N, Volianskis A, Culley GR, Dravid SM, Collingridge GL, Jane DE, Monaghan DT. Mechanism and properties of positive allosteric modulation of N-methyl-D-aspartate receptors by 6-alkyl 2-naphthoic acid derivatives. *Neuropharmacology.* 2017 Oct;125:64-79. doi: 10.1016/j.neuropharm.2017.07.007. Epub 2017 Jul 11. PubMed PMID: 28709671; PubMed Central PMCID: PMC5623084.

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