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## Product Data Sheet

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Product Name: NMS-P715 analog  
Cat. No.: GC19265

### Chemical Properties

Cas. No. 1202055-34-2

SMILES CN(N=C1C(NC2=C(CC)C=CC=C2CC)=O)C3=C1CCC4=CN=C(NC5=C(OC)C=C(C(NC6CCN(C)CC6)=O)C=C5)N=C43

Formula C<sub>35</sub>H<sub>42</sub>N<sub>8</sub>O<sub>3</sub>

M.Wt

622.76

Solubility Soluble in DMSO

Storage

Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a tips while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.  
Condition

Structure

### Background

NMS-P715 analog is an inhibitor of MPS1, with an IC<sub>50</sub> of 84 nM.

NMS-P715 analog (Compound 14) is an inhibitor of MPS1, with an IC<sub>50</sub> of 84 nM; also less active on Aur-A, CDK2/A and PLK1 (IC<sub>50</sub>, 1.45, >10, 0.237 μM). In addition, NMS-P715 analog shows inhibitory effect on human tumor cell line (A2780) with an IC<sub>50</sub> of 150 nM.

### References:

[1]. Caldarelli M, et al. Synthesis and SAR of new pyrazolo[4,3-h]quinazoline-3-carboxamide derivatives as potent and selective MPS1 kinase inhibitors. Bioorg Med Chem Lett. 2011 Aug 1;21(15):4507-11.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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