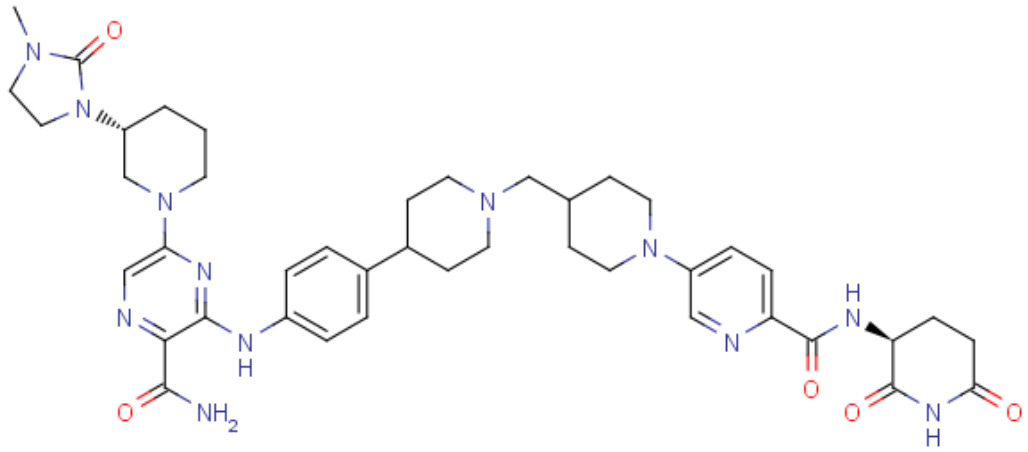
# Name: NX-5948 Cat#: EX-A7961

Chemical Structure:



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|---|---|
| Chemical Name | 3-((4-(1-((1-(6-(((S)-2,6-dioxopiperidin-3-yl)carbamoyl)pyridin-3-yl)piperidin-4-yl)methyl)piperidin-4-yl)phenyl)amino)-5-((R)-3-(3-methyl-2-oxoimidazolidin-1-yl)piperidin-1-yl)pyrazine-2-carboxamide |

| | | | |
|---|---|---|---|
| Molecular Weight | 806.9556 | Storage | 3 years -20°C powder<br>6 months -80°C in solvent<br>Away from moisture |
| Formula | $C_{42}H_{54}N_{12}O_5$ | | |
| CAS No. | 2649400-34-8 | Synonyms | BTK-IN-24 |

| | | | |
|---|---|---|---|
| Solubility (25°C) * | In vitro | DMSO | Soluble in DMSO |
| | | Ethanol | N/A |
| | | Water | N/A |
| | In vivo （should be freshly prepared each time） | | |

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Selleck tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight

batch-to-batch variations.

Preparing Stock Solutions:

| Mass / Volume / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 1.2392 mL | 6.1961 mL | 12.3922 mL |
| 5 mM | 0. 2478 mL | 1.2392 mL | 2.4784 mL |
| 10 mM | 0.1239 mL | 0. 6196 mL | 1.2392 mL |

DMSO : *The above data is based on the product molecular weight 806.96.

Biological Activities:

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| **Description** | BTK-IN-24 (NX-5948; compound 195) is a potent BTK inhibitor via a ubiquitin proteolytic pathway[1] [2]. |

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|---|---|
| **References** | [1]. Eyre, Toby A, and John C Riches. "The Evolution of Therapies Targeting Bruton Tyrosine Kinase for the Treatment of Chronic Lymphocytic Leukaemia: Future Perspectives." Cancers vol. 15,9 2596. 3 May. 2023.<br>[2]. Sands, et al. Bifunctional compounds for degrading btk via ubiquitin proteosome pathway. |