



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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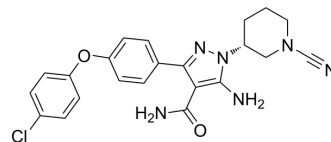
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PF-303

Cat. No.:	HY-164002
CAS No.:	1609465-78-2
Molecular Formula:	C ₂₂ H ₂₁ ClN ₆ O ₂
Molecular Weight:	436.89
Target:	Btk
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PF-303 is a potent, oral inhibitor of Bruton's tyrosine kinase (BTK) (IC₅₀=0.64 nM). The melamine portion of PF-303 forms a covalent bond with BTK's Cys481, which is reversible and exhibits a high selectivity compared to irreversible covalent BTK inhibitors. PF-303 can be used to model and study the effects of BTK inhibition on the mature immune system, including effects on B-cell subsets, antibody responses, and T-cell-mediated activation^{[1][2]}.

REFERENCES

- [1]. Benson M J, et al. Modeling the clinical phenotype of BTK inhibition in the mature murine immune system[J]. The Journal of Immunology, 2014, 193(1): 185-197.
- [2]. Schnute M E, et al. Aminopyrazole carboxamide bruton's tyrosine kinase inhibitors. irreversible to reversible covalent reactive group tuning[J]. ACS Medicinal Chemistry Letters, 2018, 10(1): 80-85.

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

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