



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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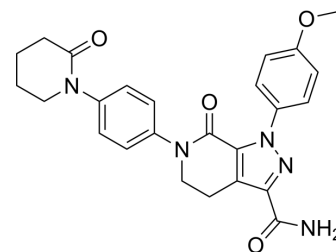
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## Apixaban (Standard)

Cat. No.:	HY-50667R
CAS No.:	503612-47-3
Molecular Formula:	C <sub>25</sub> H <sub>25</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	459.5
Target:	Factor Xa
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Apixaban (Standard) is the analytical standard of Apixaban. This product is intended for research and analytical applications. Apixaban (BMS-562247-01) is a highly selective, reversible and orally active inhibitor of Factor Xa with K <sub>i</sub> of 0.08 nM and 0.17 nM in human and rabbit, respectively <sup>[1]</sup> . Apixaban is in development for the prevention and treatment of various thromboembolic diseases <sup>[2]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.08 nM (Human Factor Xa), 0.17 nM (Rabbit Factor Xa)

### REFERENCES

- [1]. Pinto DJ, et al. Discovery of 1-(4-methoxyphenyl)-7-oxo-6-(4-(2-oxopiperidin-1-yl)phenyl)-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide (apixaban, BMS-562247), a highly potent, selective, efficacious, and orally bioavailable inhibitor of blood coagulation factor Xa. *J Med Chem.* 2007 Nov 1;50(22):5339-56.
- [2]. Wong PC, et al. Apixaban, an oral, direct and highly selective factor Xa inhibitor: in vitro, antithrombotic and antihemostatic studies. *J Thromb Haemost.* 2008 May;6(5):820-9
- [3]. Zhang D, et al. Metabolism, pharmacokinetics and pharmacodynamics of the factor Xa inhibitor apixaban in rabbits. *J Thromb Thrombolysis.* 2010 Jan;29(1):70-80
- [4]. He K, et al. Preclinical pharmacokinetics and pharmacodynamics of apixaban, a potent and selective factor Xa inhibitor. *Eur J Drug Metab Pharmacokinet.* 2011 Sep;36(3):129-39

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

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