



# SZABO SCANDIC

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## Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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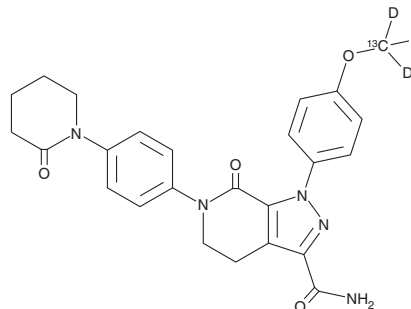
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# PRODUCT INFORMATION



## Apixaban-<sup>13</sup>C-d<sub>3</sub> Item No. 25034

**CAS Registry No.:** 1261393-15-0  
**Formal Name:** 4,5,6,7-tetrahydro-1-[4-(methoxy-<sup>13</sup>C-d<sub>3</sub>)phenyl]-7-oxo-6-[4-(2-oxo-1-piperidinyl)phenyl]-1H-pyrazolo[3,4-c]pyridine-3-carboxamide  
**MF:** C<sub>24</sub>[<sup>13</sup>C]H<sub>22</sub>D<sub>3</sub>N<sub>5</sub>O<sub>4</sub>  
**FW:** 463.5  
**Chemical Purity:** ≥98% (Apixaban)  
**Deuterium Incorporation:** ≥99% deuterated forms (d<sub>1</sub>-d<sub>3</sub>); ≤1% d<sub>0</sub>  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Apixaban-<sup>13</sup>C-d<sub>3</sub> is intended for use as an internal standard for the quantification of apixaban (Item No. 15427) by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

Apixaban-<sup>13</sup>C-d<sub>3</sub> is supplied as a solid. A stock solution may be made by dissolving the apixaban-<sup>13</sup>C-d<sub>3</sub> in the solvent of choice, which should be purged with an inert gas. Apixaban-<sup>13</sup>C-d<sub>3</sub> is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of apixaban-<sup>13</sup>C-d<sub>3</sub> in these solvents is approximately 5 and 3 mg/ml, respectively.

### Description

Apixaban is an orally bioavailable, selective inhibitor of both free and prothrombinase-bound factor Xa (K<sub>i</sub>s = 0.8 nM).<sup>1</sup> *In vivo*, apixaban has antithrombotic effects in a rabbit model of venous thrombosis.

### Reference

1. Turpie, A.G.G. Oral, direct factor Xa inhibitors in development for the prevention and treatment of thromboembolic diseases. *Arterioscler. Thromb. Vasc. Biol.* **27**(6), 1238-1247 (2007).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

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