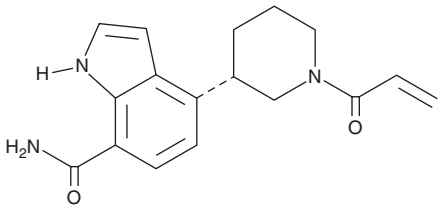
PRODUCT INFORMATION

Elsubrutinib

Item No. 46291

CAS Registry No.:	1643570-24-4
Formal Name:	4-[(3S)-1-(1-oxo-2-propen-1-yl)-3-piperidinyl]-1H-indole-7-carboxamide
Synonym:	ABBV-105
MF:	$C_{17}H_{19}N_3O_2$
FW:	297.4
Purity:	≥98%
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

Elsubrutinib is supplied as a solid. A stock solution may be made by dissolving the elsubrutinib in the solvent of choice, which should be purged with an inert gas. Elsubrutinib is sparingly soluble (1-10 mg/ml) in acetonitrile:water (1:1).

Description

Elsubrutinib is an inhibitor of Bruton's tyrosine kinase (BTK; IC_{50} = 0.18 µM for the catalytic domain).[1] It inhibits IgG-stimulated IL-6 release in primary human monocytes, decreases IgM-mediated proliferation of primary human B cells, and reduces IgE-stimulated increases in histamine plasma levels. Elsubrutinib reduces anti-dsDNA IgG antibody plasma levels, reduces proteinuria, and increases survival in a mouse model of lupus nephritis accelerated by IFN-α. It inhibits paw swelling and ankle joint bone volume loss in a rat model of collagen-induced arthritis.

Reference

1. Goess, C., Harris, C.M., Murdock, S., *et al.* ABBV-105, a selective and irreversible inhibitor of Bruton's tyrosine kinase, is efficacious in multiple preclinical models of inflammation. *Mod. Rheumatol.* **29(3)**, 510-522 (2019).

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
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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