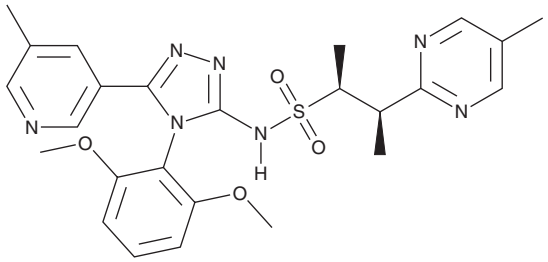
PRODUCT INFORMATION

Azelaprag

Item No. 44644

CAS Registry No.:	2049980-18-7
Formal Name:	(αS,βR)-N-[4-(2,6-dimethoxyphenyl)-5-(5-methyl-3-pyridinyl)-4H-1,2,4-triazol-3-yl]-α,β,5-trimethyl-2-pyrimidineethanesulfonamide
Synonyms:	AMG 986, BGE-105
MF:	$C_{25}H_{29}N_7O_4S$
FW:	523.6
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

Azelaprag is supplied as a solid. A stock solution may be made by dissolving the azelaprag in the solvent of choice, which should be purged with an inert gas. Azelaprag is slightly soluble (0.1-1 mg/ml) in DMSO and a 1:1 solution of acetonitrile:water.

Description

Azelaprag is an agonist of the apelin receptor (APJ).[1] It inhibits forskolin-induced cAMP accumulation in CHO cells expressing human APJ (EC_{50} = 0.23 nM). Azelaprag (1 mg/kg, i.v.) increases stroke volume and heart rate and decreases systemic vascular resistance, indicating increased cardiac reserve, in ZSF1 obese rats in a model of diastolic dysfunction driven by impaired metabolism, endothelial dysfunction, and hypertension.

Reference

1. Ason, B., Chen, Y., Guo, Q., *et al.* Cardiovascular response to small-molecule APJ activation. *JCI Insight* **5(8)**, e132898 (2020).

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