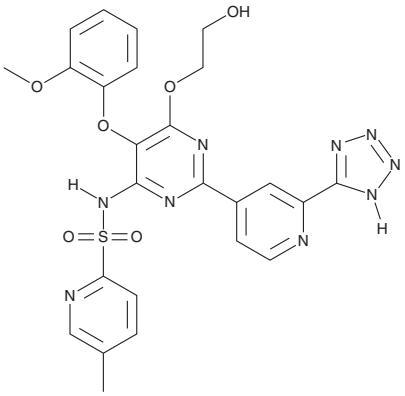
PRODUCT INFORMATION

Clazosentan

Item No. 46195



CAS Registry No.:	180384-56-9
Formal Name:	N-[6-(2-hydroxyethoxy)-5-(2-methoxyphenoxy)-2-[2-(2H-tetrazol-5-yl)-4-pyridinyl]-4-pyrimidinyl]-5-methyl-2-pyridinesulfonamide
Synonyms:	AXV-034343, Ro 61-1790, VML 588
MF:	$C_{25}H_{23}N_9O_6S$
FW:	577.6
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

Clazosentan is supplied as a solid. A stock solution may be made by dissolving the Clazosentan in the solvent of choice, which should be purged with an inert gas. Clazosentan is soluble (≥10 mg/ml) in DMSO.

Description

Clazosentan is an endothelin type A (ET_A) receptor antagonist.[1] It selectively inhibits ET-1-stimulated calcium mobilization in HEK293 cells expressing the ET_A over the ET_B receptor (IC_{50}s = 0.23 and 422 nM, respectively). When administered intravenously, clazosentan inhibits the ET-1-induced pressor response in anesthetized, pithed rats and reverses cerebral vasospasm in a dog model of subarachnoid hemorrhage (SAH).

Reference

1. Roux, S., Breu, V., Giller, T., *et al.* Ro 61-1790, a new hydrosoluble endothelin antagonist: General pharmacology and effects on experimental cerebral vasospasm. *J. Pharmacol. Exp. Ther.* **283(3),** 1110-1118 (1997).

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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