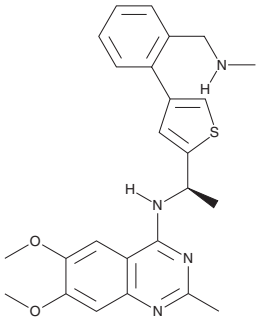
PRODUCT INFORMATION

BAY-293

Item No. 33606

CAS Registry No.:	2244904-70-7
Formal Name:	6,7-dimethoxy-2-methyl-N-[(1R)-1-[4-[2-[(methylamino)methyl]phenyl]-2-thienyl]ethyl]-4-quinazolinamine
MF:	$C_{25}H_{28}N_4O_2S$
FW:	448.6
Purity:	≥98%
UV/Vis.:	λ_{max}: 216, 250, 328, 342 nm
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

BAY-293 is supplied as a solid. A stock solution may be made by dissolving the BAY-293 in the solvent of choice, which should be purged with an inert gas. BAY-293 is soluble in DMSO.

Description

BAY-293 is an inhibitor of the protein-protein interaction between K-Ras and the guanine nucleotide exchange factor son of sevenless homolog 1 (SOS1; IC_{50} = 0.021 µM).[1] It inhibits proliferation of K562 and MOLM-13 cells expressing wild-type K-Ras, as well as NCI H358 and Calu-1 cells expressing mutant K-Ras^{G12C} with IC_{50} values of 1.09, 0.995, 3.48, and 3.19 µM, respectively.

Reference

1. Hillig, R.C., Sautier, B., Schroeder, J., *et al.* Discovery of potent SOS1 inhibitors that block RAS activation via disruption of the RAS-SOS1 interaction. *Proc. Natl. Acad. Sci. USA* **116(7)**, 2551-2560 (2019).

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