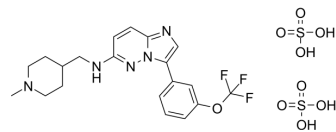


SGI-1776

Cat. No.:	HY-13287A
CAS No.:	1173928-26-1
Molecular Formula:	C ₂₀ H ₂₆ F ₃ N ₅ O ₉ S ₂
Molecular Weight:	601.57
Target:	Pim; Apoptosis; Autophagy
Pathway:	JAK/STAT Signaling; Apoptosis; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SGI-1776 is an inhibitor of Pim kinases, with IC ₅₀ s of 7 nM, 363 nM, and 69 nM for Pim-1, Pim-2 and Pim-3, respectively ^{[1][2][3][4]} .
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CUSTOMER VALIDATION

- Science. 2017 Dec 1;358(6367):eaan4368.
- Sci Transl Med. 2018 Jul 18;10(450):eaaq1093.
- Cell Death Dis. 2018 Feb 22;9(3):307.
- Cell Chem Biol. 2023 Nov 16:S2451-9456(23)00384-7.
- J Med Chem. 2021 Oct 21.

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- [1]. Chen LS, et al. Mechanisms of cytotoxicity to Pim kinase inhibitor, SGI-1776, in acute myeloid leukemia. Blood, 2011, 118(3), 693-702.
- [2]. Xie J, et al. SGI-1776, an imidazo pyridazine compound, inhibits the proliferation of ovarian cancer cells by inactivating Pim-1. Zhong Nan Da Xue Xue Bao Yi Xue Ban. 2014 Jul;39(7):649-57
- [3]. Park YK, et al. The novel anti-adipogenic effect and mechanisms of action of SGI-1776, a Pim-specific inhibitor, in 3T3-L1 adipocytes. Int J Mol Med. 2016 Jan;37(1):157-64
- [4]. Hou X, et al. Biochemical changes of salivary gland adenoid cystic carcinoma cells induced by SGI-1776. Exp Cell Res. 2017 Mar 15;352(2):403-411.

Caution: Product has not been fully validated for medical applications. For research use only.

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