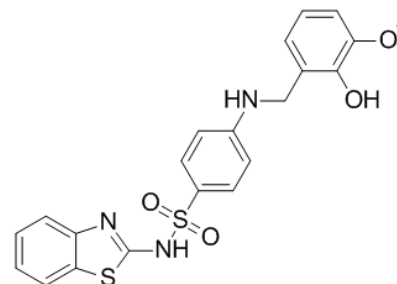


Product Name : ML355
Cat. No. : PC-42990
CAS No. : 1532593-30-8
Molecular Formula : C₂₁H₁₉N₃O₄S₂
Molecular Weight : 441.5233
Target : Lipoxygenase
Solubility : DMSO: ≥ 42 mg/mL



Biological Activity

ML355 is a potent, and selective inhibitor of human 12-Lipoxygenase (**12-LOX**) with IC₅₀ of 290 nM. ML355 displays >100-fold selectivity over 15-LOX-1, 15-LOX-2, 5-LOX and COX1, COX2. ML355 has favorable ADME properties, inhibits PAR-4 induced aggregation and calcium mobilization in human platelets, and reduces 12-HETE in mouse/human beta cells.

References

- Luci D, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].
Ma K, et al. J Clin Endocrinol Metab. 2017 May 10. doi: 10.1210/Jc.2017-00267.
Luci DK, et al. J Med Chem. 2014 Jan 23;57(2):495-506.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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