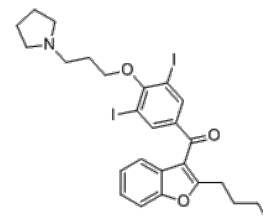


Product Name : ADTL-SA1215
Cat. No. : PC-21061
CAS No. : 782387-91-1
Molecular Formula : C₂₆H₂₉I₂NO₃
Molecular Weight : 657.33
Target : Sirtuin
Solubility : 10 mM in DMSO



CAS: 782387-91-1

Biological Activity

ADTL-SA1215 is a small-molecule activator of **SIRT3** with EC₅₀ of 0.21 μM, specifically activates SIRT3 but not SIRT1, SIRT2, and SIRT5.

ADTL-SA1215 induces SIRT3-driven autophagy/mitophagy-associated cell death in MDA-MB-231 TNBC cells (IC₅₀=2.19 μM).

ADTL-SA1215 exerts anti-tumor effect by targeting SIRT3-modulated autophagy in the MDA-MB-231 TNBC mouse xenograft model.

References

Jin Zhang, et al. *J Med Chem*. 2021 Oct 14;64(19):14192-14216.

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

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