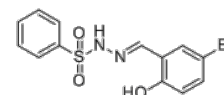


Product Name : Shz-1
Cat. No. : PC-70268
CAS No. : 326886-05-9
Molecular Formula : C₁₃H₁₁BrN₂O₃S
Molecular Weight : 355.21
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Shz-1 is a small cardiogenic molecule that potently induces **Nkx2.5** and a subset of other cardiac markers, including myocardin, troponin-I, and sarcomeric α -tropomyosin (S α TM) in a variety of different stem/progenitor cells.

Shz-1 triggers cardiac mRNA and protein expression in a variety of embryonic and adult stem/progenitor cells, including human mobilized peripheral blood mononuclear cells (M-PBMCs).

Shz-1 displays cardioregenerative activity as xenografts in injured immunocompromised rat heart.

References

Sadek H, et al. Proc Natl Acad Sci U S A. 2008 Apr 22;105(16):6063-8.

Nan C, et al. Cardiovasc Toxicol. 2015 Jan;15(1):29-40.

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

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