

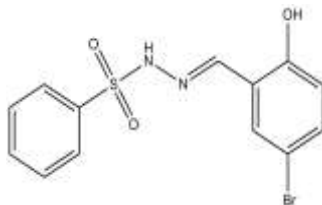
Shz-1

ALTERNATE NAME: 2-[(5-Bromo-2-hydroxyphenyl)methylene]hydrazide benzenesulfonic acid

CATALOG #: 1915-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₃H₁₁BrN₂O₃S

MOLECULAR WEIGHT: 355.21

CAS NUMBER: 326886-05-9

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~ 5 mg/ml)

PURITY: ≥95% by NMR

STORAGE: Store at -20 °C

DESCRIPTION: Cell-permeable. A sulfonylhydrazone (Shz) small molecule that acts as an enhancer of myocardial regenerative repair by stem cells. Potently induces *Nkx2.5* and a subset of other cardiac markers, including *myocardin*, *troponin-I*, and sarcomeric α -tropomyosin (α TM) in a variety of different stem/progenitor cells.

REFERENCE: Sadek, H., *et al.* (2008). *Proc. Natl. Acad. Sci. USA* **105**, 6063-6068.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Compound 1 (Cat. No. 1688-1)
- Cyclopamine (Cat. No. 1578-5)
- Cyclopamine-KAAD (Cat. No. 1910-50)
- Cyclosporine A (Cat. No. 1522-100, 1G)
- DAPT (Cat. No. 1855-5)
- Dexamethasone (Cat. No. 1042-1G, 10G)
- Forskolin, *Coleus Forskohlii* (Cat. No. 1531-5)
- GANT58 (Cat. No. 1812-5, 25)
- GANT61 (Cat. No. 1892-5)
- GDC-0449 (Cat. No. 1890-5, 25)
- Geldanamycin (Cat. No. 1564-1,5)
- Hh Signaling Pathway Antagonist (Cat. No. 1659-1)
- JK 184 (Cat. No. 1726-1)
- Kenpaullone (Cat. No. 1904-1)
- Neuropathiazol (Cat. No. 1903-5, 25)
- Purmorphamine (Cat. No. 1672-5)
- Rapamycin (Cat. No. 1568-5,50)
- EZSolution™ Rapamycin (Cat. No. 1746-5)
- Reversine (Cat. No. 1851-1, 5)
- SB-431542 (Cat. No. 1674-1)
- EZSolution™ SB-431542 (Cat. No. 1872-1)
- Sodium Butyrate (Cat. No. 1609-1000)
- Stauprimide (Cat. No. 1743-500)
- Trichostatin A (Cat. No. 1606-1)
- U0126 (Cat. No. 1668-5)
- WHIP-131 (Cat. No. 1853-5, 25)