

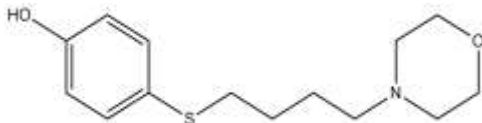
MoTP

ALTERNATE NAME: (2-Morpholinobutyl)-4-thiophenol

CATALOG #: 1852-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₂₁NO₂S

MOLECULAR WEIGHT: 267.39

CAS NUMBER: 57055-82-0

APPEARANCE: White solid

SOLUBILITY: DMSO (~25mg/ml) or EtOH (~25 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: A useful tool for elucidating melanocyte stem cell regeneration, recruitment and maintenance mechanisms. Specifically ablates zebrafish larval melanocytes or melanoblasts, and this melanocytotoxicity is dependent on tyrosinase activity.

REFERENCE: Hultman, K., et al. (2009). *PLoS Genetics* 5, e1000544; Yang, C.T. et al. (2007). *PLoS Genetics* 3, e88; Yang, C.T., et al. (2006). *PLoS Genetics* 133, 3563-3573.

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**)
- Cyclosporine A (**Cat. No. 1522-100, 1G**)
- Dexamethasone (**Cat. No. 1042-1G, 10G**)
- Forskolin, *Coleus Forskohlii* (**Cat. No. 1531-5**)
- Geldanamycin (**Cat. No. 1564-1,5**)
- Hh Signaling Pathway Antagonist (**Cat. No. 1659-1**)
- JK 184 (**Cat. No. 1726-1**)
- Purmorphamine (**Cat. No. 1672-5**)
- Rapamycin (**Cat. No. 1568-5,50**)
- EZSolution™ Rapamycin (**Cat. No. 1746-5**)
- SB-431542 (**Cat. No. 1674-1**)
- Sodium Butyrate (**Cat. No. 1609-1000**)
- Stauprimide (**Cat. No. 1743-500**)
- Trichostatin A (**Cat. No. 1606-1**)
- U0126 (**Cat. No. 1668-5**)