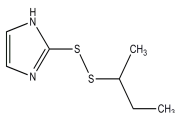


**PRODUCT: PX-12****ALTERNATE NAME:** 2-[(1-Methylpropyl)dithio]-1*H*-imidazole; IV-2**CATALOG #:** 2217-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>7</sub>H<sub>12</sub>N<sub>2</sub>S<sub>2</sub>**MOLECULAR WEIGHT:** 188.31**CAS NUMBER:** 141400-58-0**APPEARANCE:** Beige solid**SOLUBILITY:** DMSO (100 mM)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from light and moisture**DESCRIPTION:** PX-12 is an irreversible inhibitor of thioredoxin-1 (TRX-1) (K<sub>i</sub> = 31 μM). It decreases the expression of HIF-1α, VEGF and iNOS (IC<sub>50</sub> values are 7.2, ~10 and 18.1 μM respectively). Also known to display antitumor activity and inhibits tubulin polymerization *in vitro*.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Chetomin (Cat. No. 2180-1)

**USAGE:** ***FOR RESEARCH CH USE ONLY! Not to be used in humans***