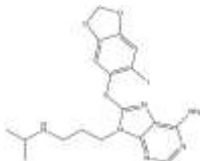


**PRODUCT: PU-H71****ALTERNATE NAME:** 6-Amino-8-[(6-iodo-1,3-benzodioxol-5-yl)thio]-N-(1-methylethyl)-9H-purine-9-propanamine**CATALOG #:** 9649-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>18</sub>H<sub>21</sub>N<sub>6</sub>O<sub>2</sub>S**MOLECULAR WEIGHT:** 512.37**CAS#:** 873436-91-0**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO (>40 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** PU-H71 is a potent Heat Shock Protein 90 (Hsp90) inhibitor (IC<sub>50</sub> = 50 nM). Also inhibits cell growth in a range of breast cancer cell lines (IC<sub>50</sub> values are 17, 31, 65, 87 and 140 nM for SKBr3, MCF-7, MDA-MB-468, HCC-1806 and MDA-MB-231 cells respectively). Shown to inhibit cell proliferation and induce apoptosis in triple-negative breast cancer (TNBC) cells.**REFERENCE:** Caldas-Lopes, E., *et al.* (2009). *Proc. Natl. Acad. Sci. USA* **106**, 8368-8373.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

17-AAG (Cat. No. 1774-1,5)

EZSolution™ 17-AAG (Cat. No. 9495-1)

BIIB021 (Cat. No. 2291-5, 25)

17-DMAG (Cat. No. 1776-1, 5)

Geldanamycin (Cat. No. 1564-1,5)

NVP-AUY922 (Cat. No. 1591-1, 5)

PU-WS13 (Cat. No. 9442-5, 25)

XL-888 (Cat. No. 2654-1,5)

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