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:**

![Structure diagram]

MOLECULAR FORMULA: C_{18}H_{21}IN_{6}O_{2}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_{50} = 50 nM). Also inhibits cell growth in a range of breast cancer cell lines (IC_{50} 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.


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!