

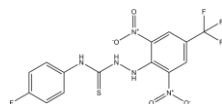
**PRODUCT: Kobe2602**

**ALTERNATE NAMES:** kobe 2602; kobe-2602; Kobe 2602; Kobe-2602; 2-(2,6-dinitro-4-(trifluoromethyl)phenyl)-N-(4-fluorophenyl)hydrazinecarbothioamide; 1-[2,6-dinitro-4-(trifluoromethyl)anilino]-3-(4-fluorophenyl)thiourea

**CATALOG#:** B1710-5, -25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>14</sub>H<sub>9</sub>F<sub>4</sub>N<sub>5</sub>O<sub>4</sub>S

**MOLECULAR WEIGHT:** 419.31

**CAS NUMBER:** 454453-49-7

**APPEARANCE:** Solid powder

**SOLUBILITY:** DMSO

**PURITY:** >98%

**STORAGE:** Dry, dark and at 4°C for short term (days to weeks) or at -20°C for long term. Protect from air and light.

**DESCRIPTION:** Kobe2602 is a novel and effective small-molecule compound inhibiting Ras–Raf interaction by SBDD; exhibits potent activity to competitively inhibit the binding of H-Ras-GTP to c-Raf-1 RBD with a K<sub>i</sub> value of 149 ± 55 μM.

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

**REFERENCES:** 1. Shima F et al. In silico discovery of small-molecule Ras inhibitors that display antitumor activity by blocking the Ras–effector interaction. Proceedings of the National Academy of Sciences, 2013, 110(20): 8182-8187.

**RELATED PRODUCTS:**

- B-Raf Inhibitor 1 (Cat# 2599)
- CEP-32496 (Cat# 9615)
- DP-4978 (Cat# B1288)
- GSK-2118436 mesylate (Cat# 2800)
- PLX-7904 (Cat# B1249)
- PLX-4720 (Cat# 2813)
- Regorafenib (Cat# 2891)
- TAK-632 (Cat# 2473)

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