

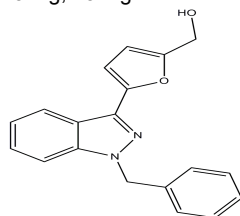
YC-1

ALTERNATE NAME: 3-(5'-Hydroxymethyl-2'-furyl)-1-benzylindazole

CATALOG #: 2061-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₁₆N₂O₂

MOLECULAR WEIGHT: 304.34

CAS NUMBER: 170632-47-0

APPEARANCE: White to pale yellow solid

SOLUBILITY: DMSO (100 mM) or EtOH (50 mM)

PURITY: ≥98% by NMR

STORAGE: Store at -20 °C. Protect from air and light.

DESCRIPTION: Cell-permeable. A nitric oxide (NO) independent, superoxide-sensitive soluble guanylyl cyclase (sGC) activator (EC₅₀ = 18 μM). Induces concentration-dependent increase in cGMP levels in cultured cells and in rabbit aortic rings. Inhibits platelet adhesion to collagen. A non-specific phosphodiesterase (PDE) inhibitor. YC-1 also inhibits HIF-α activity in tumors resulting in blocked angiogenesis and an inhibition of tumor growth. Inhibits Na⁺ channel.

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

RELATED PRODUCTS:

- BAY 58-2667 Hydrochloride (**Cat. No. 2027-1**)
- Forskolin (**Cat. No. 1531-5**)
- ODQ (**Cat. No. 2051-10, 50**)

FOR RESEARCH USE ONLY! Not to be used in humans.