

Product Information

Product ID Y0800
CAS No. 170632-47-0
Chemical Name [5-(1-Benzyl-1H-indazol-3-yl)-2-furyl]methanol

Synonym 3-(5'-Hydroxymethyl-2'-furyl)-1-benzylindazole

Formula C₁₉H₁₆N₂O₂
Formula Wt. 304.35

Melting Point

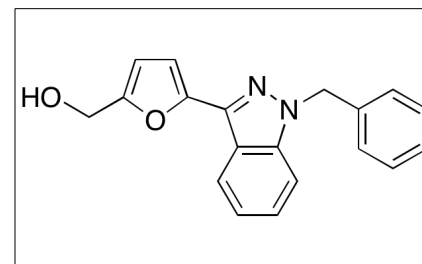
Purity ≥98%

Solubility Soluble in DMSO, methanol or dichloromethane.

Store Temp -20°C

Ship Temp Ambient

Description YC-1 is a guanylyl cyclase activator and HIF-1 α inhibitor. YC-1 displays anti-fibrotic, anticancer chemotherapeutic, anti-atherosclerotic, and neuroprotective activities. In vitro, YC-1 decreases secretion of sENG and sFlt-1, reversing endothelial dysfunction. In hepatic stellate cells, this compound decreases cell viability and increases apoptosis, potentially through suppressing expression of α SMA. In canine lymphoma cells, YC-1 inhibits cell proliferation; in similar animal models, it induces tumor regression. In other animal models, YC-1 decreases ox-LDL-induced cholesterol accumulation. Additionally, this compound suppresses neuronal death induced by amyloid-B (AB) peptides.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
Y0800	1 mg	\$34.80
Y0800	5 mg	\$112.80
Y0800	25 mg	\$451.00

References Brownfoot FC, Tong S, Hannan NJ, et al. YC-1 reduces placental sFlt-1 and soluble endoglin production and decreases endothelial dysfunction: A possible therapeutic for preeclampsia. *Mol Cell Endocrinol.* 2015 Sep 15;413:202-8. PMID: 26159901.

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Kabayashi S, Igase M, Kobayashi K, et al. Hypoxia inducible factor 1 α expression and effects of its inhibitors in canine lymphoma. *J Vet Med Sci.* 2015 Jun 6. [Epub ahead of print]. PMID: 26050843.

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Tsai YC, Lee YM, Lam KK, et al. The role of heat shock protein 70 in the protective effect of YC-1 on β -amyloid-induced toxicity in differentiated PC12 cells. *PLoS One.* 2013 Jul 26;8(7):e69320. PMID: 23922702.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.