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**Product Data Sheet**

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Product Name: PFI-90  
Cat. No.: GC62678

**Chemical Properties**

Cas. No. 53995-62-3

Formula  $C_{11}H_{10}N_4O$  M.Wt 214.22

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

PFI-90 is a selective inhibitor of the histone demethylase KDM3B. PFI-90 induces apoptosis and cell differentiation resulting in delayed tumor progression in vivo.

PFI-90 is a selective inhibitor of histone demethylase (KDM3B) that inhibits PAX3-FOXO1 action. In RH4 and SCMC cells, PFI-90 induces apoptosis and myogenic differentiation, resulting in the cell death increased. [2]

PFI-90 induces apoptosis and cell differentiation resulting in delayed tumor progression in vivo. [1]

[1] Yong Yean Kim, et al. AACR Cancer Research 2021 July Volume 81, Issue 13 [2] KHAN, Javed, et al. Inhibitors of histone demethylases (pfi-63 and pfi-90) for the treatment of cancer and for the inhibition of histone demethylase in cells. WO2021101929A1.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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