
Product Data Sheet

Product Name: Stafib-1
Cat. No.: GC62254

Chemical Properties

Cas. No. 1688703-26-5

Formula $C_{26}H_{24}N_2O_{11}P_2$ M.Wt 602.42

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

Stafib-1 is the first selective inhibitor of the STAT5b SH2 domain, with a K_i of 44 nM and an IC_{50} of 154 nM[1].

Stafib-1 is the first small molecule which inhibits the STAT5b SH2 domain with more than 50-fold selectivity over STAT5a[1].

[1]. Nagarajan Elumalai, et al. Rational development of Stafib-2: a selective, nanomolar inhibitor of the transcription factor STAT5b. Sci Rep. 2017 Apr 11;7(1):819.

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

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