

Product Data Sheet

Product Name: AFP464 dihydrochloride

Cat. No.: GC73864

Chemical Properties

Cas. No.

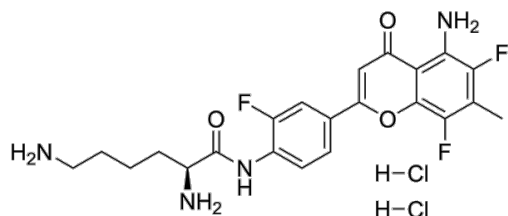
Formula $C_{22}H_{25}Cl_2F_3N_4O_3$ M.Wt 521.36

Solubility DMSO : 50 mg/mL (95.90 mM; Need ultrasonic); H₂O : 16.67 mg/mL (31.97 mM; ultrasonic and warming and heat to 60°C) Storage 4°C, sealed storage, away from moisture

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

AFP464 (dihydrochloride) (NSC710464 (dihydrochloride)) is the dihydrochloride form of AFP464 and is a potent HIF-1 α inhibitor with an IC₅₀ value of 0.25 μ M. It is also an activator of aryl hydrocarbon receptor (AhR).

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

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References:

[1]. Terzuoli E1, Aminoflavone, a ligand of the aryl drocarbon receptor, inhibits HIF-1alpha expression in an AhR-independent fashion. Cancer Res. 2010 Sep 1;70(17):6837-48.

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