

PNU-145156E (FCE26644)

Chemical Properties

CAS No. : 154788-16-6

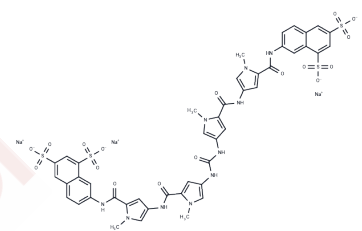
Formula: C45H36N10Na4O17S4

Molecular Weight: 1209.04

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PNU-145156E (FCE26644) a novel angiogenesis inhibitor, has been shown to block circulating angiogenesis promoting growth factor in animal studies and has shown anti-tumor effects in solid tumors in mice.
Targets(IC50)	FGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8271 mL	4.1355 mL	8.271 mL
5 mM	0.1654 mL	0.8271 mL	1.6542 mL
10 mM	0.0827 mL	0.4136 mL	0.8271 mL
50 mM	0.0165 mL	0.0827 mL	0.1654 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zamai M, Hariharan C, Pines D, Safran M, Yayon A, Caiolfa VR, Cohen-Luria R, Pines E, Parola AH. Nature of Interaction between basic fibroblast growth factor and the antiangiogenic drug 7,7-(carbonyl-bis[imino-N-methyl-4,2-pyrrolicarbonylimino[N-methyl-4,2-pyrrole]-c arbonylimino])-bis-(1,3-naphtalene disulfonate). II. Removal of polar interactions affects protein folding. *Biophys J*. 2002 May;82(5):2652-64. PubMed PMID: 11964252; PubMed Central PMCID: PMC1302054.

Groen HJ, de Vries EG, Wynendaele W, van der Graaf WT, Fokkema E, Lechuga MJ, Poggese I, Dirix LY, van Oosterom AT. PNU-145156E, a novel angiogenesis inhibitor, in patients with solid tumors: a phase I and pharmacokinetic study. *Clin Cancer Res*. 2001 Dec;7(12):3928-33. PubMed PMID: 11751484.

Possati L, Campioni D, Sola F, Leone L, Ferrante L, TrabANELLI C, Ciomei M, Montesi M, Rocchetti R, Talevi S, Bompadre S, Caputo A, Barbanti-Brodano G, Corallini A. Antiangiogenic, antitumoural and antimetastatic effects of two distamycin A derivatives with anti-HIV-1 Tat activity in a Kaposi's sarcoma-like murine model. *Clin Exp Metastasis*. 1999;17(7):575-82. PubMed PMID: 10845556.

Dhar S, Gullbo J, Csoka K, Eriksson E, Nilsson K, Nickel P, Larsson R, Nygren P. Antitumour activity of suramin analogues in human tumour cell lines and primary cultures of tumour cells from patients. *Eur J Cancer*. 2000 Apr;36(6):803-9. PubMed PMID: 10762755.

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