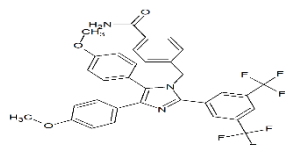


Apoptozole

ALTERNATE NAME: 4-[[2-[3,5-bis(trifluoromethyl)phenyl]-4,5-bis(4-methoxyphenyl)-1H-imidazol-1-yl]methyl]-benzamide
Apoptosis Activator VII

CATALOG #: B2412-5 5 mg
B2412-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₃H₂₅F₆N₃O₃

MOLECULAR WEIGHT: 625.6

CAS NUMBER: 1054543-47-3

APPEARANCE: Crystalline solid

PURITY: ≥98% by HPLC

SOLUBILITY: >40 mg/ml DMSO

STORAGE CONDITIONS: -20°C

DESCRIPTION: Apoptozole is an inhibitor of the ATPase domain of Hsc70 and Hsp70, with K_ds of 0.21 and 0.14 μM, respectively. Apoptozole dose-dependently induces apoptosis in cancer cells (IC₅₀ = 5-7 μM). It prevents the association of Hsp70 with apoptotic protease-activating factor 1 and triggers caspase activation in HeLa cells.

REFERENCES: Ko, S.K., et al. (2015). Chemistry & Biology 22, 391-403.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

XL888 (2654)
Geldanamycin (1564)
17-AAG (1774)
AT-13387 (B1961)
BIIB 021 (2291)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*