

Product Data Sheet

Product Name: SGF29-IN-1

Cat. No.: GC73771

Chemical Properties

Cas. No. 6638-82-0

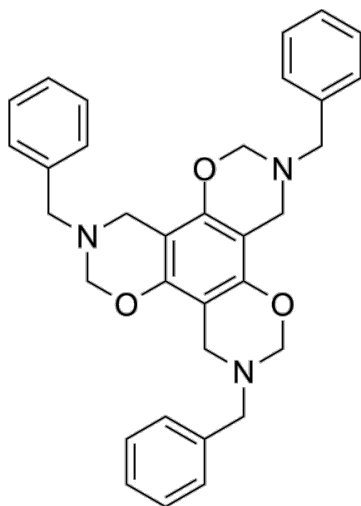
Formula $C_{33}H_{33}N_3O_3$ M.Wt 519.63

Solubility 1 M HCL : 25 mg/mL (48.11 mM; Need ultrasonic); DMSO : 9.52 mg/mL (18.32 mM; ultrasonic and warming and adjust pH to 7 with 1 M HCL and heat to 60°C) Storage -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

SGF29-IN-1 (Compound Cpd_DC60) is a selective inhibitor for Spt-Ada-Gcn5 acetyltransferase (SAGA)–associated factor 29 (SGF29)-Tudor domain. SGF29-IN-1 exhibits activity against leukemia.

SGF29-IN-1 (20 µM) inhibits Tudor domain of SGF29, blocks acetylation of H3K9 in SGF29-

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

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dependent leukemia cells MOLM13 and MV4-11[1].

SGF29-IN-1 (5 mg/kg, i.p. every other day for 35 days) inhibits leukemia progression without significant toxicity in CD45 mice[1].

References:

[1]. Chan AKN, et al., Therapeutic targeting Tudor domains in leukemia via CRISPR-Scan Assisted Drug Discovery. Sci Adv. 2024 Feb 23;10(8):eadk3127.

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