

Product Data Sheet

Product Name: Nrf2-IN-3

Cat. No.: GC73243

Chemical Properties

Cas. No. 6325-13-9

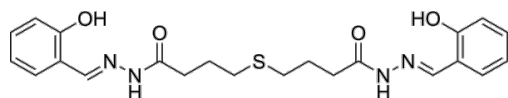
Formula $C_{22}H_{26}N_4O_4S$ M.Wt 442.53

Solubility DMSO : 116.67 mg/mL (263.64 mM; Storage -20°C
Need ultrasonic)

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

Nrf2-IN-3 (Compound R16) is a Nrf2 inhibitor. Nrf2-IN-3 binds KEAP1 mutants (G333C mKEAP1) and repairs the disrupted KEAP1/NRF2 interactions. Nrf2-IN-3 sensitizes KEAP1-mutated cancer

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

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cells to Cisplatin and Gefitinib by repairing the mKEAP1/NRF2 complex^[1].

References:

[1]. Aboukassim T, et al. A NRF2 inhibitor selectively sensitizes KEAP1 mutant tumor cells to cisplatin and gefitinib by restoring NRF2-inhibitory function of KEAP1 mutants. Cell Rep. 2023 Sep 12;42(9):113104.

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