

Product Data Sheet

Product Name: MARK4 inhibitor 3

Cat. No.: GC73538

Chemical Properties

Cas. No.

Formula $C_{33}H_{27}FN_4O_3$ M.Wt 546.59

Solubility DMSO : 125 mg/mL (228.69 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.

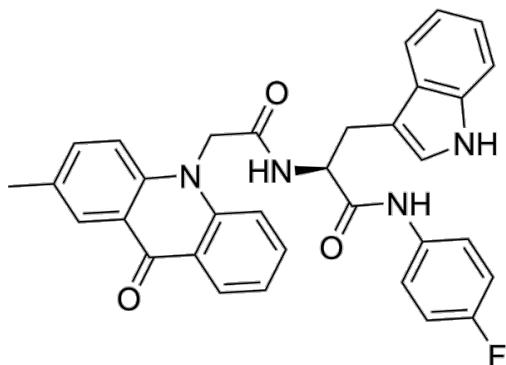
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

MAPK4 inhibitor 3 (compound 23b) is an inhibitor of MAPK4 with an IC₅₀ value of 1.01 μ M. MAPK4 inhibitor 3 inhibits cancer cells growth. MAPK4 inhibitor 3 can be used for research on cancer and tauopathies.

MAPK4 inhibitor 3 (1-20 μ M, 24 h) inhibits Hela and U87MG growth with EC₅₀ values of 2.52 μ M and 4.22 μ M, respectively[1].

References:

[1]. Maria Voura, et al. Synthesis, Structural Modification, and Bioactivity Evaluation of Substituted Acridones as Potent Microtubule Affinity-Regulating Kinase 4 Inhibitors. ACS Pharmacology & Translational Science 2023 6 (7), 1052-1074.

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