

Product Data Sheet

Product Name: ZA18
Cat. No.: GC79528

Chemical Properties

Cas. No. 2696407-32-4

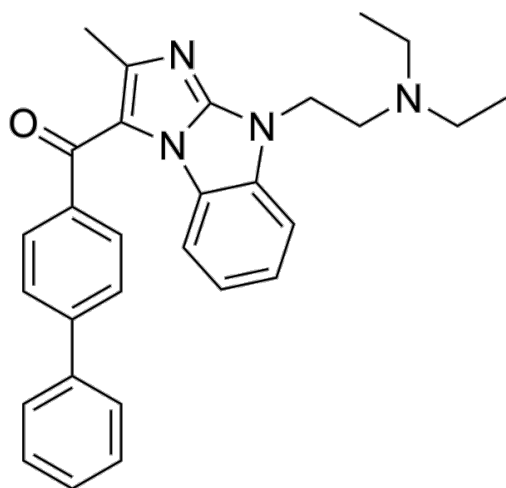
Formula $C_{29}H_{30}N_4O$ M.Wt 450.57

Solubility DMSO: 50 mg/mL (110.97 mM; Need ultrasonic) Storage Store at 4°C, away from moisture

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

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

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ZA18 is a selective TRPM2 channel inhibitor, with an IC₅₀ value of 6.2 μ M. ZA18 can effectively suppress intracellular Ca²⁺ overload triggered by TRPM2 channel activation. ZA18 significantly reduce the mortality of SH-SY5Y cells induced by H₂O₂. ZA18 can be used for the study of ischemia-reperfusion injury, inflammation, or other neurodegenerative diseases [1].

References:

[1]. Zhao S, et al. Design, synthesis and biological activities of benzo[d]imidazo[1,2-a]imidazole derivatives as TRPM2-specific inhibitors. Eur J Med Chem. 2021 Dec 5;225:113750.

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