

Product Data Sheet

Product Name: MARY15

Cat. No.: GC80851

Chemical Properties

Cas. No. 3107758-65-3

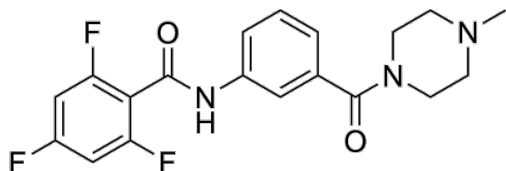
Formula $C_{19}H_{18}F_3N_3O_2$ M.Wt 377.36

Solubility DMSO: 50 mg/mL (132.50 mM; Need ultrasonic) Storage Store at 4°C, stored under nitrogen

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

MARY15 is a pyridinylpiperazine-based derivative of MARY1. MARY15 activates uncoupled mitochondrial respiration and upregulates p-AKT (S473) phosphorylation in renal proximal tubule cells [1].

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

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In Vitro, MARY15 (30 nM; 24 h) activates uncoupled mitochondrial respiration in renal proximal tubule cells, as measured by FCCP-OCR^[1]. MARY15 (30 nM; 1 h) upregulates p-AKT (S473) phosphorylation in renal proximal tubule cells^[1].

References:

[1]. Rick Schnellmann, et al. Mary1 and derivatives thereof for the treatment of mitochondrial dysfunction, vascular injury, kidney diseases, and organ aging, WO, WO2025240390A1, 2025-11-20.

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