

Product Data Sheet

Product Name: Nonsteroidal aromatase inhibitor 1

Cat. No.: GC73329

Chemical Properties

Cas. No. 3033282-93-5

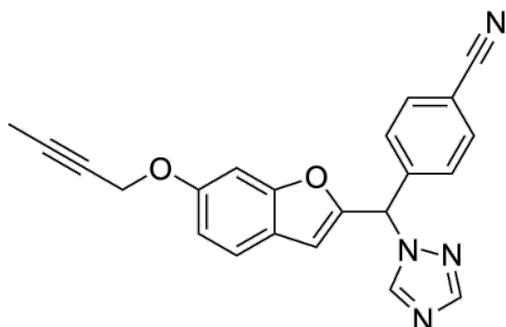
Formula $C_{22}H_{16}N_4O_2$ M.Wt 368.39

Solubility DMSO : ≥ 100 mg/mL (271.45 mM) 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

Nonsteroidal aromatase inhibitor 1 (Compound 13h) is a nonsteroidal aromatase (CYP19A1) inhibitor ($\text{IC}_{50}=0.09$ nM). Nonsteroidal aromatase inhibitor 1 has potential for breast cancer research. Nonsteroidal aromatase inhibitor 1 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

Nonsteroidal aromatase inhibitor 1 (0.001 pM- 100 pM; 1 h) treatment shows excellent aromatase inhibition activity[1]. Nonsteroidal aromatase inhibitor 1 (1 μM ; 48 h) treatment has no impact on MCF-

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

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10A or MDA-MB-231 growth[1].

References:

[1]. Ahmed G Eissa, et al. 4th generation nonsteroidal aromatase inhibitors: An iterative SAR-guided design, synthesis, and biological evaluation towards picomolar dual binding inhibitors. Eur J Med Chem. 2022 Jul 6;240:114569.

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