

Product Data Sheet

Product Name: Trilexium

Cat. No.: GC73760

Chemical Properties

Cas. No. 1983180-82-0

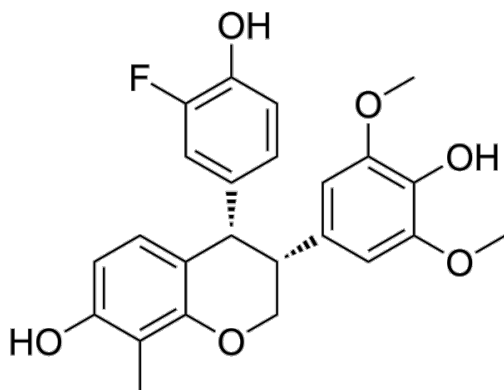
Formula $C_{24}H_{23}FO_6$ M.Wt 426.43

Solubility DMSO : 300 mg/mL (703.52 mM; Need ultrasonic) Storage -20°C, protect from light

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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Trilexium (TRX-E-009-1) is a third-generation of benzopyran structurally related to TRX-E-002-1 . Trilexium increases p21 protein expression and induces apoptosis. Trilexium depolymerizes microtubules. Trilexium shows broad anti-cancer activity^{[1][2]}.

References:

- [1]. Stevenson AJ, et al. Mechanism of action of the third generation benzopyrans and evaluation of their broad anti-cancer activity in vitro and in vivo. Sci Rep. 2018 Mar 23;8(1):5144.
- [2]. Ehteda A, et al. Microtubule-Targeting Combined with HDAC Inhibition Is a Novel Therapeutic Strategy for Diffuse Intrinsic Pontine Gliomas. Mol Cancer Ther. 2023 Dec 1;22(12):1413-1421.

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