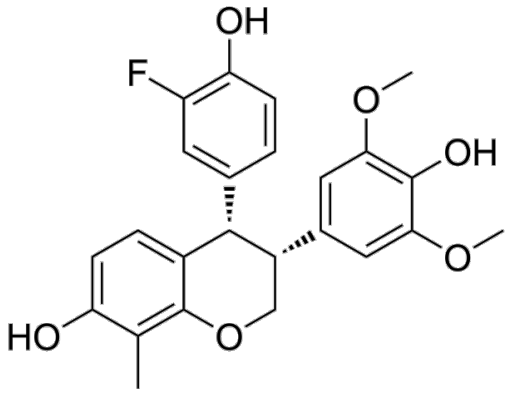
Product Data Sheet

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

Product Data Sheet

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.

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