

Product Data Sheet

Product Name: FGIN-1-27

Cat. No.: GC14017

Chemical Properties

Cas. No. 142720-24-9

Chemical Name 2-(2-(4-fluorophenyl)-1H-indol-3-yl)-N,N-dihexylacetamide

SMILES FC1=CC=C(C=C1)C(NC2=CC=CC=C2)=C3CC(N(CCCCCC)CCCCC)=O

Formula $C_{28}H_{37}FN_2O$ M.Wt 436.61

Solubility 30mg/mL in ethanol, 20mg/mL in DMSO Storage Store at -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.

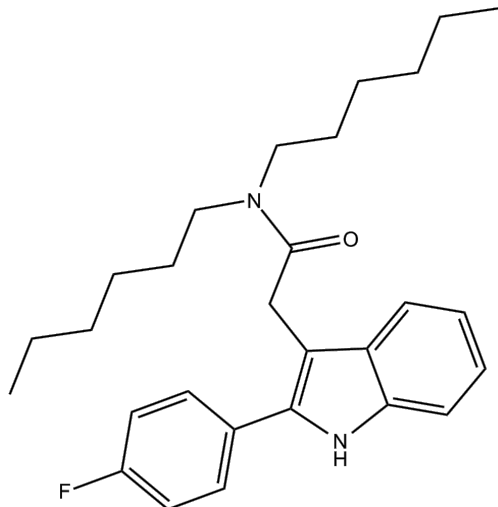
Caution: Product has not been fully validated for medical applications. For research use only.

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Product Data Sheet

Structure



Background

FGIN-1-27 is an indoleacetamide that acts as a high affinity agonist of the 18 kDa translocator protein (TSPO; previously called the peripheral benzodiazepine receptor) with a K_i value of 5 nM.^[1] It can enhance steroidogenesis of neuroactive steroids such as allopregnanolone.^[1] Through this action, FGIN-1-27 indirectly potentiates GABAA receptor signaling to produce anticonvulsant, anxiolytic, and sedative activity in both animal and clinical models.^[1]

Reference:

[1]. James, M.L., Selleri, S., and Kassiou, M. Development of ligands for the peripheral benzodiazepine receptor. *Current Medicinal Chemistry* 13(17), 1991-2001 (2006).

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