
Product Data Sheet

Product Name: Quetiapine D4 hemifumarate

Cat. No.: GC39724

Chemical Properties

Cas. No. 1217310-65-0

OCCOC([2H])([2H])C([2H])

SMILES ([2H])N(CC1)CCN1C2=NC(C=CC=C3)=C3SC4=C2C=CC=C4.O=C(O)/C=C/C(O)=O.
[0.5]Formula C₂₃H₂₃D₄N₃O₄S

M.Wt 445.57

Solubility DMSO : 100 mg/mL (224.43 mM; ultrasonic and warming and Store
heat to 80°C); DMSO : 50 mg/mL (112.22 mM; Need ultrasonic); Storage at -
H₂O : 1.25 mg/mL (2.81 mM; Need ultrasonic) 20°CGeneral 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

Quetiapine D4 hemifumarate is the deuterium labeled Quetiapine hemifumarate. Quetiapine hemifumarate is a 5-HT receptors agonist and a dopamine receptor antagonist.

Antidepressant and anxiolytic effects[1].

[1]. Cross AJ, et al. Quetiapine and its metabolite norquetiapine: translation from in vitro pharmacology to in vivo efficacy in rodent models. Br J Pharmacol. 2016 Jan;173(1):155-66.

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

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