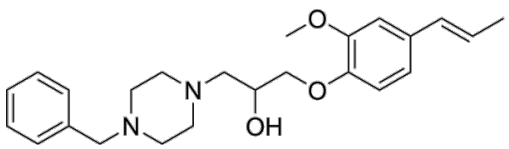
Product Data Sheet

Product Name: F3288-0031
Cat. No.: GC79493

Chemical Properties

Cas. No.	926493-93-8		
Formula	$C_{24}H_{32}N_2O_3$	M.Wt	396.52
Solubility		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.		
Structure			



Background

F3288-0031 is a brain-penetrant norepinephrine transporter (NET) allosteric inhibitor with inhibitory rates of 73.5% at 20 μM. F3288-0031 binds within the inner vestibule of NET, stabilizing the inward-open state and has a preferential NET / SERT inhibition with pIC 50 = 5.9. F3288-0031 shows no detectable off-target functional activity in vitro. F3288-0031 demonstrates robust antidepressant-like efficacy in vivo without confounding locomotor effects, F3288-0031 can be used for depressive disorder and related neuropsychiatric conditions [1].

In Vivo, F3288-0031 (3-50 mg/kg, i.p., once) has an antidepressant-like activity without confounding

locomotor effects in C57BL/6J mice[1].

References:

[1]. Tang M, er al. Reversing the Warburg effect: Discovery of potent pyruvate dehydrogenase kinase inhibitors for inhibiting tumor growth. Bioorg Chem. 2025 Dec;167:109224.

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