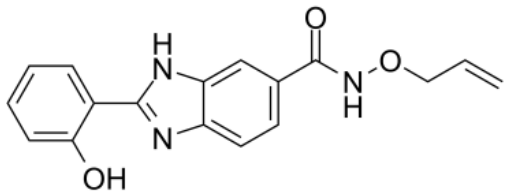
Product Data Sheet

Product Name: X5050
Cat. No.: GC62025

Chemical Properties

Cas. No.	2404756-81-4		
SMILES	O=C(C1=CC=C2N=C(C3=CC=CC=C3O)NC2=C1)NOCC=C		
Formula	$C_{17}H_{15}N_3O_3$	M.Wt	309.32
Solubility	DMSO : 100 mg/mL (323.29 mM)	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

X5050 is a REST inhibitor, with an EC50 of 2.1 μM[1].

X5050 (100 μM, 1 day) induces a dosedependent decrease in the REST isoform in protein level[1].

X5050 (2 x 2μl of 20 mM) is active in HD pathological context[1].

[1]. JÉrÉmie Charbord, et al. High throughput screening for inhibitors of REST in neural derivatives of

human embryonic stem cells reveals a chemical compound that promotes expression of neuronal genes. Stem Cells. 2013 Sep;31(9):1816-28.