Data Sheet

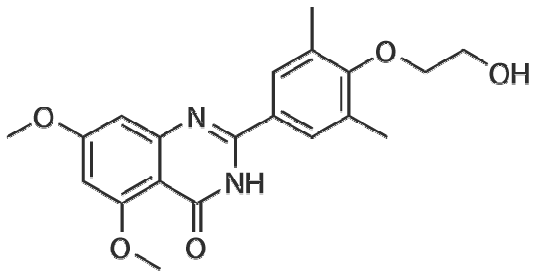
RVX-208

Catalog #: 27111

Lot #: 140113

Size: 5 mg

Structure:



CAS Registry #: 1044870-39-4

Purity: ≥98%

Chemical Formula: $C_{20}H_{22}N_2O_5$

Molecular Weight: 370.4

Description: RVX-028, also known as RVX-000222, is a potent BET bromodomain inhibitor. It preferentially binds to the second bromodomain on BET proteins. It also stimulates apolipoprotein (APO) AI gene expression, which increases apoA-I and HDL-C *in vitro*. *In vivo*, RVX-208 enhances cholesterol efflux via different pathways and significantly increases serum apoA-I and HDL-C in monkeys.

Appearance: A crystalline solid

Solubility: Solubility in DMSO is 74 mg/ml. Solubility in water and ethanol is <1 mg/ml.

Biological Activity: RVX-208 has been shown to have an IC_{50} = 0.510 µM for BD2, which is ~170-fold selectivity over BD1.

Storage/Stability: Store at or below -20°C for up to two years.

Quality Control: The purity was determined by HPLC analysis.

References:

1. Bailey, D., *et al., J Am Coll Cardiol.* 2010;**55(23)**:2580-2589.
2. Picaud, S., *et al., Proc Natl Acad Sci U.S.A.* 2013; **110(49)**:19754-19759.
3. McNeill, E. *Curr Opin Investig Drugs.* 2010;**11(3)**:357-364.

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