

XYDC2050

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	XYDC2050 (Compound 29) is a selective vasopressin V2 receptor (V2R) antagonist, with an IC50 of 27 nM and a Ki of 2.8 nM. It exhibits a Ki of 420.7 nM for V1R with a selectivity index of 162. XYDC2050 inhibits vasopressin-induced intracellular cyclic adenosine monophosphate (cAMP) accumulation with an IC50 of 12 nM. This compound can suppress kidney cyst growth, reduce kidney-to-body weight ratio, and decrease cyst area and cystic index, making it a candidate for autosomal dominant polycystic kidney disease (ADPKD) research.
Targets(IC50)	Vasopressin Receptor

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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