



Product Information

PDE inhibitor, PDE5-IN-2, Purity ≥98%

Cat. No.: X24-09-YM032

Size: 1 mg; 5 mg; 10 mg; 20 mg

CAS Number: 2244517-61-9

Compound CID: 138319693

Synonym: 2244517-61-9; AKOS040734102; HY-112704; CS-0062827; 3-(1,3-Benzo

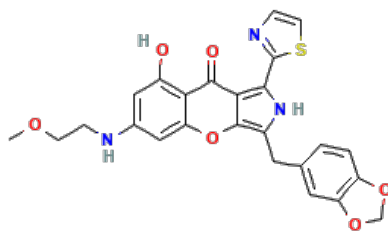
dioxol-5-yl

methyl)-8-hydroxy-6-

(2-methoxyethylamino)-1-(1,3-thiazol-2-yl)-2*H*-chromeno[2,3-*c*]pyrrol-9-one; PDE

inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	PDE5-IN-2 is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting PDE. The molecular weight of the compound is 491.52, and its molecular formula is C ₂₅ H ₂₁ N ₃ O ₆ S. It targets the PDE10A, PDE2A, PDE4D2 and PDE5A1.
Molecular Weight	491.52
Molecular Formula	C ₂₅ H ₂₁ N ₃ O ₆ S
Targets	PDE10A
IUPAC Name	3-(1,3-Benzodioxol-5-ylmethyl)-8-hydroxy-6-(2-methoxyethylamino)-1-(1,3-thiazol-2-yl)-2 <i>H</i> -chromeno[2,3- <i>c</i>]pyrrol-9-one
InChI	InChI=1S/C25H21N3O6S/c1-31-6-4-26-14-10-16(29)20-19(11-14)34-24-15(8-13-2-3-17-18(9-13)33-12-32-17)28-22(21(24)23(20)30)25-27-5-7-35-25/h2-3,5,7,9-11,26,28-29H,4,6,8,12H2,1H3
InChI Key	VNWKVRSLWCIUCC-UHFFFAOYSA-N
Canonical SMILES	COCCNC1=CC(=C2C(=C1)OC3=C(NC(=C3C2=O)C4=NC=CS4)CC5=CC6=C(C=C5)OCO6)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.



Quality Level	Research grade
Applications	PDE5-IN-2 can be studied extensively for its potential therapeutic applications in the treatment of erectile dysfunction and pulmonary arterial hypertension.
Storage	Store at -20°C, and keep desiccated.
