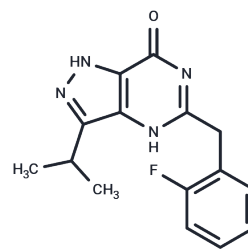


SAL-0010042

Chemical Properties

CAS No. : 521298-46-4
 Formula: C₁₅H₁₅N₄O
 Molecular Weight: 286.304
 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	SAL-0010042 is an inhibitor of Plasmodium phosphodiesterase β (PDE β), effectively blocking the hydrolysis of cAMP and cGMP in gametocytes with an IC ₅₀ of 48.9 nM, thereby activating PKG and inhibiting the growth and development of Plasmodium (IC ₅₀ s for 3D7 and Dd2 are 142 nM and 218 nM, respectively). It also inhibits hPDE5 and hPDE6 with IC ₅₀ values of 632 nM and 73 nM, respectively.
Targets(IC ₅₀)	Parasite,PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4928 mL	17.4642 mL	34.9284 mL
5 mM	0.6986 mL	3.4928 mL	6.9857 mL
10 mM	0.3493 mL	1.7464 mL	3.4928 mL
50 mM	0.0699 mL	0.3493 mL	0.6986 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481