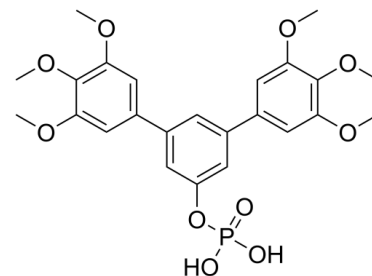


Data Sheet

Product Name:	Stafia-1
Cat. No.:	CS-0130972
CAS No.:	2582757-90-0
Molecular Formula:	C ₂₄ H ₂₇ O ₁₀ P
Molecular Weight:	506.44
Target:	STAT
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt
Solubility:	DMSO : 250 mg/mL (ultrasonic)



BIOLOGICAL ACTIVITY:

Stafia-1 is a potent **STAT5a** inhibitor ($K_i=10.9 \mu\text{M}$, $\text{IC}_{50}=22.2 \mu\text{M}$). Stafia-1 displays high selectivity over STAT5b and other STAT family members^[1]. *In Vitro*: Stafia-1 shows at least 9-fold selectivity over STAT5b and higher selectivity against other STAT family members^[1].

References:

[1]. Natarajan K, et al. Stafia-1: a STAT5a-Selective Inhibitor Developed via Docking-Based Screening of in Silico O-Phosphorylated Fragments. Chemistry. 2020;26(1):148-154.

CAIndexNames:

3,3'',4,4'',5,5''-Hexamethoxy-[1,1':3',1''-terphenyl]-5'-yl dihydrogen phosphate

SMILES:

OP(OC1=CC(C2=CC(OC)=C(OC)C(OC)=C2)=CC(C3=CC(OC)=C(OC)C(OC)=C3)=C1)(O)=O

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite F, Monmouth Junction, NJ 08852, USA