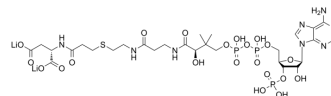


ANAT inhibitor-4 dilithium

Cat. No.:	HY-157397A
Molecular Formula:	C ₂₈ H ₄₃ Li ₂ N ₈ O ₂₁ P ₃ S
Molecular Weight:	966.55
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (103.46 mM)
* "≥" means soluble, but saturation unknown.

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.0346 mL	5.1730 mL	10.3461 mL
	5 mM	0.2069 mL	1.0346 mL	2.0692 mL
	10 mM	0.1035 mL	0.5173 mL	1.0346 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ANAT inhibitor-4 tetralithium (compound BA2) is potent N-acetyltransferase (ANAT) inhibitor with a K_i value of 48 nM. ANAT inhibitor-4 tetralithium has the potential for canavan disease (CD) research^[1].

IC₅₀ & Target

Ki: 48 nM (ANAT)^[1]

REFERENCES

[1]. Vinay Mutthamsetty, et al. Development of bisubstrate analog inhibitors of aspartate N-acetyltransferase, a critical brain enzyme. Chem Biol Drug Des. 2020 Jan;95(1):48-57.

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

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