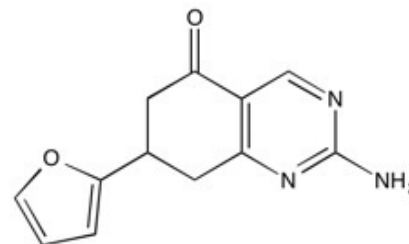


NKY-80, Adenylate cyclase inhibitor

Catalog	Unit
TBI1482-5MG	5 mg
TBI1482-25MG	25 mg

Product Details

Formal Name: 2-Amino-7-(2-furanyl)-7,8-dihydro-5(6H)-quainazolinone
Molecular Formula: C₁₂H₁₁N₃O₂
Formula Weight: 229.24
CAS Number: 299442-43-6
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 30 mg/ml) or in Ethanol (up to 6 mg/ml)
Storage: RT
Stability: ≥ 1 year.



Applications

Adenylate cyclase inhibitor

Functions

Potent and selective adenylyl cyclase inhibitor. Selective for AC5 over AC3 and AC2 (IC₅₀ = 8.3 μM, 132 μM and 1.7 mM respectively). More recently shown to indiscriminately inhibit AC6. An extremely useful tool for probing the involvement of adenylyl cyclases in cellular signaling.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or in Ethanol (up to 6 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months. Solutions in DMSO or ethanol may be stored at -20° for up to 1 month.

For research use only.