

RGFP966, Selective HDAC3 inhibitor

Catalog	Unit
TBI4029-5MG	5 mg
TBI4029-25MG	25 mg

Product Details

Formal Name: (2E)-N-(2-Amino-4-fluorophenyl)-3-[(2E)-1-(3-phenyl-2-propen-1-yl)-1H-pyrazol-4-yl]-2-propenamide

Molecular Formula: C₂₁H₁₉FN₄O

Formula Weight: 362.40

CAS Number: 1357389-11-7

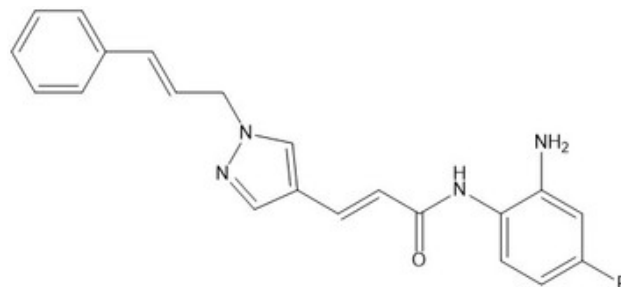
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Selective HDAC3 inhibitor

Functions

RGFP966 is a selective inhibitor of HDAC3 (IC₅₀ = 80 nM, no other HDACs inhibited at 15 μM). It facilitates the extinction of cocaine-seeking behavior in mice and transforms subthreshold learning events into robust long-term memory, suggesting a potential therapeutic target for memory enhancement and neurodegenerative diseases.

Application Procedures

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

For research use only.