

RECTAS, pre-mRNA splicing modulator

Catalog	Unit
TBI5273-5MG	5 mg
TBI5273-25MG	25 mg

Product Details

Formal Name: 2-Chloro-N-(2-furanylmethyl)-9H-purin-6-amine

Molecular Formula: C₁₀H₈ClN₅O

Formula Weight: 249.7

CAS Number: 101862-47-9

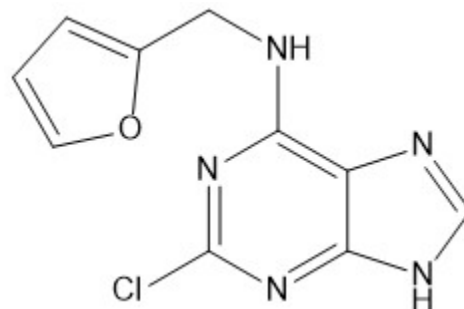
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (27 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

pre-mRNA splicing modulator

Functions

RECTAS a pre-mRNA splice modulator (Rectifier of Aberrant Splicing) was discovered in a small molecule screen for compounds that rectify aberrant IKBKAP splicing in cells from patients with familial dysautonomia. RECTAS (2 μM) increased the expression of IKAP and restored tRNA modifications. It directly interacts with CDC-like kinases enhancing SRSF6 phosphorylation. A combination treatment with RECTAS and phenylbutyric acid was shown to restore DJ-1 protein and mitochondrial dysfunction in Parkinson's disease models.

Application Procedures

First dissolved in DMSO (27 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.