

Cardiogenol C, Induces cardiomyogenesis

Catalog	Unit
TBI1295-5MG	5 mg
TBI1295-25MG	25 mg

Product Details

Formal Name: 4-(2-Hydroxyethylamino)-2-(4-methoxyphenylamino)-pyrimidine hydrochloride

Molecular Formula: C₁₃H₁₆N₄O₂ • HCl

Formula Weight: 296.80

CAS Number: 1049741-55-0

Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml) or in Water (up to 30 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.

Applications

Induces cardiomyogenesis

Functions

Induces cardiomyogenesis in embryonic stem cells (EC₅₀ = 100 nM). Also transdifferentiates lineage-committed progenitor cells, such as mouse hair bulge progenitor cells and C2C12 mouse skeletal myoblasts, into cardiomyocyte-like cells. Useful tool for cardiac stem cell research.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or in Water (up to 30 mg/ml), then diluted to aqueous buffer.

For research use only.