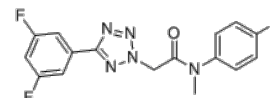


Product Name : Ryanozole
Cat. No. : PC-21312
CAS No. : 2681302-83-8
Molecular Formula : C₁₆H₁₂F₃N₅O
Molecular Weight : 347.30
Target : Calcium Channel
Solubility : 10 mM in DMSO



CAS: 2681302-83-8

Biological Activity

Ryanozole (TMDJ-035) is the first highly potent and selective ryanodine receptor 2 (**RyR2**) inhibitor with EC₅₀ of 13 nM, shows no effect on RyR1 and RyR3.

TMDJ-035 (30-100 nM) is effective in preventing generation of Ca²⁺ waves in cardiomyocytes without affecting action potential-induced Ca²⁺ transients.

TMDJ-035 is a promising candidate for drug development to treat potentially fatal RyR2-related cardiac arrhythmias.

References

Ishida R, et al. *Eur J Med Chem.* 2023 Oct 25;262:115910.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com