

pyCTZ TFA

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	PyCTZ TFA, a pyridyl Coelenterazine (CTZ) analog, is an ATP-independent pyridyl substrate of LumiLuc luciferase. It produces intense blue bioluminescence when luciferases are present, making it suitable for aequorin-based calcium sensing[1].
Targets(IC50)	Others
In vitro	PyCTZ TFA demonstrates comparable bioluminescence intensity to native CTZ when combined with aequorin[1].

## Reference

Yeh HW, et, al. ATP-Independent Bioluminescent Reporter Variants To Improve in Vivo Imaging. ACS Chem Biol. 2019 May 17;14(5):959-965.

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