TFMU-ADPr diammonium

Cat. No.: HY-146248B

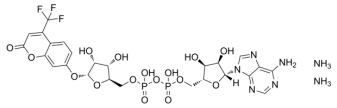
Molecular Formula: $C_{25}H_{32}F_3N_7O_{16}P_2$

Molecular Weight: 805.5

Target: Others

Pathway: Others

Storage: -20°C, stored under nitrogen, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 125 mg/mL (155.18 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.2415 mL	6.2073 mL	12.4146 mL
	5 mM	0.2483 mL	1.2415 mL	2.4829 mL
	10 mM	0.1241 mL	0.6207 mL	1.2415 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

TFMU-ADPr is a universal substrate for monitoring PARG activity. TFMU-ADPr directly reports the total bar number hydrolase activity by releasing fluorophore. TFMU-ADPr is a general tool for evaluating small molecule inhibitors and exploring the regulation of ADP-ribose catabolic enzymes in vitro[1].

REFERENCES

[1]. Drown BS, et al. Monitoring Poly(ADP-ribosyl)glycohydrolase Activity with a Continuous Fluorescent Substrate. Cell Chem Biol. 2018 Dec 20;25(12):1562-1570.e19.

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