Glutathione diethyl ester TFA

Cat. No.: HY-P5069A

Molecular Formula: $C_{16}H_{26}F_3N_3O_8S$

Molecular Weight: 477.45

Sequence: {Ggu(OEt)}-Cys-Gly-{OEt}

Sequence Shortening: {Ggu(OEt)}-CG-{OEt}

Target: Endogenous Metabolite

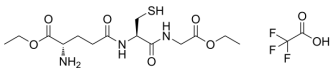
Pathway: Metabolic Enzyme/Protease

Storage: Sealed storage, away from moisture

Powder -80°C 2 years

-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H_2O : ≥ 40 mg/mL (83.78 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.0945 mL	10.4723 mL	20.9446 mL
5 mM	0.4189 mL	2.0945 mL	4.1889 mL
10 mM	0.2094 mL	1.0472 mL	2.0945 mL

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

BIOLOGICAL ACTIVITY

Description

Glutathione diethyl ester (TFA) is a delivery agent for glutathione monoester, and thus for glutathione, in human cells and therefore could serve to decrease oxidative stress and toxicity[1].

REFERENCES

[1]. E J Levy, et al. Transport of glutathione diethyl ester into human cells. Proc Natl Acad Sci U S A. 1993 Oct 1;90(19):9171-5.

Caution: Product has not been fully validated for medical applications. For research use only.

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