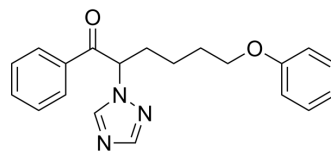


TIS108

Cat. No.:	HY-136403		
CAS No.:	1315459-30-3		
Molecular Formula:	C ₂₀ H ₂₁ N ₃ O ₂		
Molecular Weight:	335.4		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (372.69 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9815 mL	14.9076 mL	29.8151 mL
	5 mM	0.5963 mL	2.9815 mL	5.9630 mL
	10 mM	0.2982 mL	1.4908 mL	2.9815 mL

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

BIOLOGICAL ACTIVITY

Description

TIS108 is a triazole-type strigolactone biosynthetic inhibitor. TIS108 inhibits embryogenesis in Arabidopsis. TIS108 reduces the level of 2'-epi-5-deoxystrigol (epi-5DS) in rice^[1].

REFERENCES

- [1]. Elhiti M, et al. Synthetic Strigolactone GR24 Improves Arabidopsis Somatic Embryogenesis through Changes in Auxin Responses. *Plants (Basel)*. 2021 Dec 10;10(12):2720.
- [2]. Ito S, et al. Effects of strigolactone-biosynthesis inhibitor TIS108 on Arabidopsis. *Plant Signal Behav*. 2013 May;8(5):e24193.

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

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