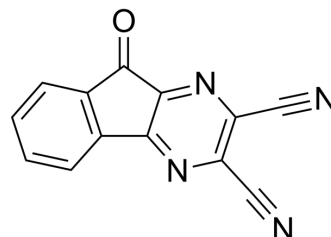


DCAF

Cat. No.:	HY-32247		
CAS No.:	40114-84-9		
Molecular Formula:	C ₁₃ H ₄ N ₄ O		
Molecular Weight:	232.2		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 51.5 mg/mL (221.79 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.3066 mL	21.5332 mL	43.0663 mL
	5 mM	0.8613 mL	4.3066 mL	8.6133 mL
	10 mM	0.4307 mL	2.1533 mL	4.3066 mL

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

BIOLOGICAL ACTIVITY

Description

DCAF is an electron-deficient azaacene and acts as an electron injection material for organic light-emitting diodes^[1].

REFERENCES

[1]. Bing Yang, et al. Green-synthesized, low-cost tetracyanodiazafuorene (TCAF) as electron injection material for organic light-emitting diodes. November 2019, Pages 1969-1973. Chinese Chemical Letters Communication. Chinese Chemical Letters. Volume 30, Issue 11

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

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