



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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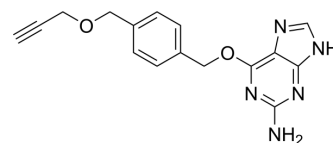
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PYBG

Cat. No.:	HY-23926		
CAS No.:	680622-71-3		
Molecular Formula:	C ₁₆ H ₁₅ N ₅ O ₂		
Molecular Weight:	309.32		
Target:	Fluorescent Dye		
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 : 6.25 mg/mL (20.21 mM; ultrasonic and warming and heat to 60°C)
H₂O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.2329 mL	16.1645 mL	32.3290 mL
	5 mM		0.6466 mL	3.2329 mL	6.4658 mL
	10 mM		0.3233 mL	1.6164 mL	3.2329 mL

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

BIOLOGICAL ACTIVITY

Description

PYBG acts as a versatile precursor to be facilely conjugated with various fluorescent dyes through 'Click chemistry' and Sonogashira coupling reactions^[1]. PYBG is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

REFERENCES

[1]. Xinbo Song, et al. Terminal alkyne substituted O⁶-benzylguanine for versatile and effective syntheses of fluorescent labels to genetically encoded SNAP-tags. RSC Advances. 26 Feb 2015.

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

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