

Product Data Sheet

Product Name: PYBG
Cat. No.: GC61223

Chemical Properties

Cas. No. 680622-71-3

SMILES NC1=NC(OCC2=CC=C(COCC#C)C=C2)=C3N=CNC3=N1

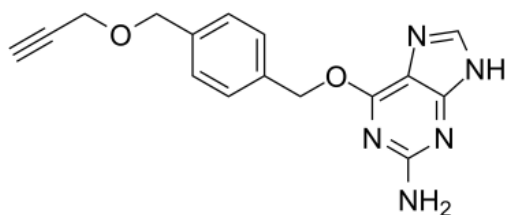
Formula $C_{16}H_{15}N_5O_2$ M.Wt 309.32

Solubility DMSO: 6.25 mg/mL (20.21 mM); ultrasonic and warming and heat to 60°C) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

PYBG acts as a versatile precursor to be easily conjugated with various fluorescent dyes through 'Click chemistry' and Sonogashira coupling reactions[1].

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

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[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.

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