

CAY10563 biochemical

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CATALOG #
AAA227094

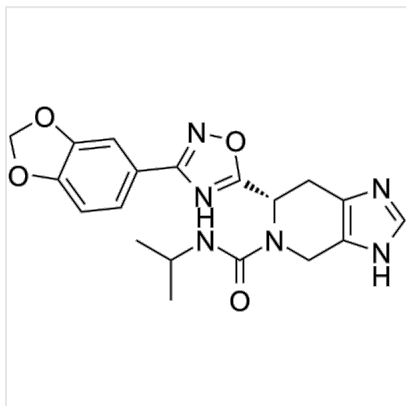
PRODUCT SYNONYMS

CAY10563; CAY10563 biochemical

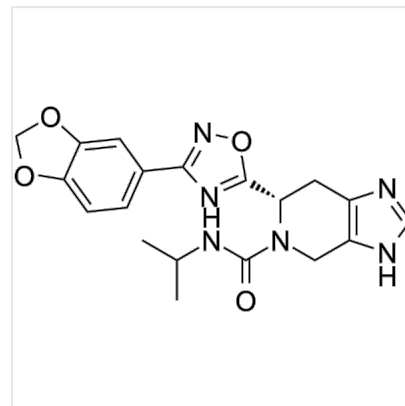
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMSO: 30 mg/mL
	Ethanol:PBS (pH7.2)(1:1): 0.5 mg/mL
	DMF: 20 mg/mL
	Ethanol: 30 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
CBK289001, CAS 1212663-24-5



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ADDITIONAL INFORMATION

Related Product Information for CAY10563 biochemical	S-Nitrosothiols (RSNOs) are a class of molecules that function as exogenous and endogenous nitric oxide (NO) donors. RSNOs found in vivo include proteins such as S-nitrosohemoglobin and S-nitrosoalbumin, as well as low molecular weight species such as S-nitrosoglutathione (GSNO) and S-nitrosocysteine (CysNO). CAY10563 is a member of a new class of S-nitrosothiol species that act as an NO donors under acidic conditions. It decomposes with a half-life of one minute in 0.1 M phosphate buffer, pH 5.0, at 37 degree C and relaxes phenylephrine-constricted rat aortic strips 59% and 16% at pH 6.0 and 7.4, respectively.
References	1. Anja Reithmeier, et al. Identification of inhibitors of Tartrate-resistant acid phosphatase (TRAP/ACP5) activity by small-molecule screening. Chem Biol Drug Des. 2018 Jul;92(1):1255-1271.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/cay10563/227094>