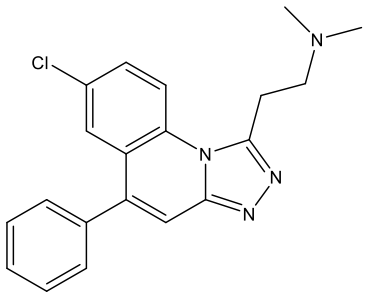
Catalog # 10-4635

PF-9366

CAS# 72882-78-1

2-(7-Chloro-5-phenyl)-[1,2,4]triazolo[4,3-a]quinoline-1-yl)-N,N,dimethylethanamine

Lot # FBS2053



PF-9366 is an allosteric inhibitor (IC_{50} = 420 nM) of methionine adenosyltransferase 2A (Mat2A), the primary enzyme responsible for extrahepatic synthesis of S-adenosyl-L-methionine (SAM).[1] It inhibited cellular SAM production in H520 lung and Huh-7 liver cancer cells with IC_{50}'s of 1.2 µM and 225 nM respectively.

1) Quinlan *et al*. (2017), *Targeting S-adenosylmethionine biosynthesis with a novel allosteric inhibitor of Mat2A*; Nat. Chem. Biol., **13** 785

PHYSICAL DATA

Molecular Weight:	350.85
Molecular Formula:	$C_{20}H_{19}ClN_4$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (20 mg/ml)
Physical Description:	Beige solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months

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