

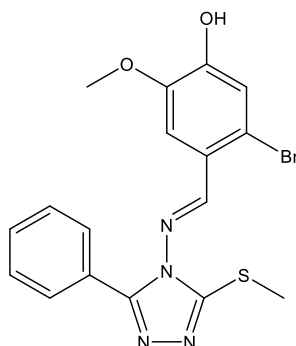
Catalog # 10-4678

GO289

CAS# 694522-87-7

(E)-5-Bromo-2-methoxy-4-(((3-(methylthio)-5-phenyl-4H-1,2,4-triazol-4-yl)imino)methyl)phenol

Lot # FBS3034



GO289 is a potent inhibitor of casein kinase 2 (CK2; $IC_{50} = 7$ nM).¹ Showed no inhibition of DYRK, HIPK, CLK, and PIM family kinases. It is a circadian clock modifier that caused strong period lengthening. Growth of MLL-AF9 leukemia cells was strongly inhibited by GO289.

- 1) Oshima *et al.* (2019), *Cell-based screen identifies a new potent and highly selective CK2 inhibitor for modulation of circadian rhythms and cancer cell growth*; *Sci. Adv.* **5** eaau9060

PHYSICAL DATA

Molecular Weight:	419.30
Molecular Formula:	C ₁₇ H ₁₅ BrN ₄ O ₂ S
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (25 mg/mL)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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