

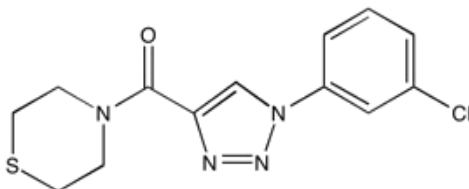
Catalog # 10-1536

L524-0366

951612-19-4

(1-(3-Chlorophenyl)-1H-1,2,3-triazol-4-yl)(thiomorpholino)methanone

Lot # X106109



Fn14 antagonist. Competes with TNF-like weak inducer of apoptosis (TWEAK) C-terminal/extracellular TNF homology domain (THD) for Fn14 binding ($K_D = 7.12 \mu\text{M}$). It specifically inhibits TWEAK-Fn14-mediated NF κ B activation. It completely suppressed TWEAK-induced T98G cell migration ($10 \mu\text{M}$) without cytotoxicity up to $50 \mu\text{M}^1$. L524-0366 is the first compound known to interfere with the TWEAK/Fn14 interaction and may serve as a lead compound for the development of new therapeutics².

- 1) Dhruv *et al.* (2013), *Structural basis and targeting of the interaction between fibroblast growth factor-inducible 14 and tumor necrosis factor-like weak inducer of apoptosis*; J. Biol. Chem., **288** 32261
- 2) Cheng *et al.* (2013), *TWEAK/Fn14 Axis-Targeted Therapeutics: Moving Basic Science Discoveries to the Clinic*; Front Immunol., **4** 473

PHYSICAL DATA

Molecular Weight:	308.79
Molecular Formula:	C ₁₃ H ₁₃ ClN ₄ OS
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 14 mg/ml with warming) or Ethanol (up to 2 mg/ml with warming)
Physical Description:	Beige solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com