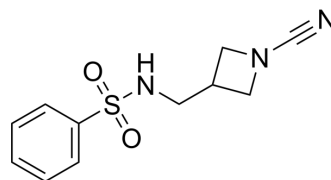


## Cathepsin K inhibitor 6

Cat. No.:	HY-147774		
CAS No.:	325775-42-6		
Molecular Formula:	C <sub>11</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub> S		
Molecular Weight:	251.3		
Target:	Cathepsin		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

Description	Cathepsin K inhibitor 6 (compound 19) is an inhibitor of cathepsin K (Cat K) with an IC <sub>50</sub> of 17 nM. Cathepsin K inhibitor 6 also has inhibitory effects on other isoforms, with IC <sub>50</sub> s of 0.05 μM (Cat L) and 0.3 μM (Cat B), respectively <sup>[1]</sup> .		
IC <sub>50</sub> & Target	cathepsin L 0.05 μM (IC <sub>50</sub> )	Cathepsin B 0.3 μM (IC <sub>50</sub> )	cathepsin K 17 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Falgout JP, et al. Novel, nonpeptidic cyanamides as potent and reversible inhibitors of human cathepsins K and L. J Med Chem. 2001 Jan 4;44(1):94-104.

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

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