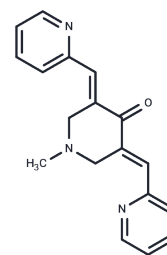


UBS109

## Chemical Properties

CAS No. : 1258513-40-4  
 Formula: C<sub>18</sub>H<sub>17</sub>N<sub>3</sub>O  
 Molecular Weight: 291.35  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	UBS109, a curcumin analogue, is a DNA demethylating agent in pancreatic cancer, promotes osteoblast differentiation and mineralization, inhibits breast cancer metastasis to the lungs, and prevents bone loss induced by breast cancer cell lines.
Targets(IC50)	NF-κB

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4323 mL	17.1615 mL	34.323 mL
5 mM	0.6865 mL	3.4323 mL	6.8646 mL
10 mM	0.3432 mL	1.7161 mL	3.4323 mL
50 mM	0.0686 mL	0.3432 mL	0.6865 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Yamaguchi M, et al. Novel curcumin analogue UBS109 potently stimulates osteoblastogenesis and suppresses osteoclastogenesis: involvement in Smad activation and NF-κB inhibition. Integr Biol (Camb). 2012 Aug;4(8):905-13.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481