



**产品货号:** C6983

**储存温度:** 粉末, 室温避光保存, 有效期一年。液体, -20°C:3-6 月; -80°C:12 月

CAIX (Carbonic anhydrase IX) is a hypoxia and HIF-1-inducible protein that regulates intra- and extracellular pH under hypoxic conditions and promotes tumor cell survival and invasion in hypoxic microenvironments. U-104 is a novel ureido-sulfonamide inhibitor of CAIX and CAXII with  $K_i$  values of 45.1nM and 4.5nM, respectively. Administration of U-104 daily significantly inhibited primary tumor growth in the mice injected with a highly metastatic variant of the MDA-MB-231 cell line with robustly induced CAIX in hypoxia. Also, it resulted the inhibition of metastases formation of mice intravenous injected with 4T1 cells.

储存液制备	质量	1 mg	5 mg	10 mg
	浓度			
	1 mM	3.2329 mL	16.1647 mL	32.3294 mL
	5 mM	0.6466 mL	3.2329 mL	6.4659 mL
	10 mM	0.3233 mL	1.6165 mL	3.2329 mL

产品信息

别名	U-104;MST-104;NSC-213841	
CAS 号	178606-66-1	
分子式	C <sub>13</sub> H <sub>12</sub> FN <sub>3</sub> O <sub>3</sub> S	
分子量	309.32	
溶解度	DMSO	50.0 mg/mL (161.6 mM)
	Water	insoluble

