

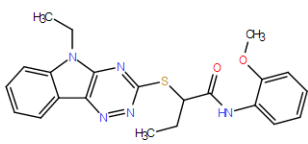
## Certificate of Analysis

Target	Inhibitors & Agonists>>Cell Cycle/DNA Damage>>Topoisomerase
Cat.No	DC8852
Name	SW-044248

Tel: +86-21-58447131  
Fax: +86-21-61642470

Email:  
sales@dcchemicals.com  
order@dcchemicals.com

## Chemical Properties

CAS	522650-83-5
Formula	C <sub>22</sub> H <sub>23</sub> N <sub>5</sub> O <sub>2</sub> S
MW	421.16
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The chemical structure shows a benzimidazole core. One nitrogen atom is substituted with a methyl group (H<sub>3</sub>C). The 2-position of the benzimidazole ring is substituted with a propyl chain (H<sub>3</sub>C-CH<sub>2</sub>-CH<sub>2</sub>-). The sulfur atom at the 2-position is part of a 1,3,4-thiazolidine ring system. The nitrogen atom of this thiazolidine ring is substituted with a propyl chain (H<sub>3</sub>C-CH<sub>2</sub>-CH<sub>2</sub>-). The carbonyl group of the thiazolidine ring is substituted with a 4-methoxyphenyl group (a benzene ring with a methoxy group, -OCH<sub>3</sub>, at the para position).</p>
Purity	>98%

Website:  
www.dcchemicals.com