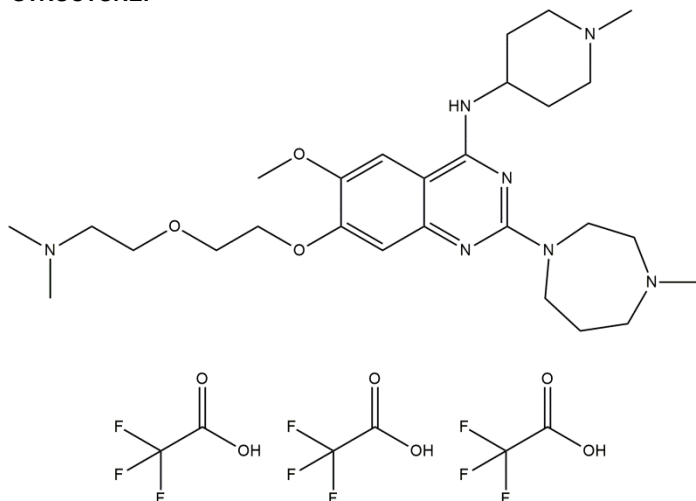


# UNC0321 tri(trifluoroacetate salt)

**ALTERNATE NAME:** 7-(2-(2-(dimethylamino)ethoxy)ethoxy)-6-methoxy-2-(4-methyl-1,4-diazepan-1-yl)-N-(1-methylpiperidin-4-yl)quinazolin-4-amine, tri(trifluoroacetate) salt

**CATALOG #:** B2837-1 1 mg  
B2837-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>33</sub>H<sub>48</sub>F<sub>9</sub>N<sub>7</sub>O<sub>9</sub>

**MOLECULAR WEIGHT:** 857.76

**CAS NUMBER:** n/a

**FORMULATION:** A solution in methyl acetate

**PURITY:** ≥95%

**DESCRIPTION:** UNC0321 is an inhibitor of G9a histone methyltransferase (HMTase) with picomolar potency. It is a quinazoline analogue with a Morrison K<sub>i</sub> of 63 pM. It inhibits G9a with an IC<sub>50</sub> of 6 nM and 9 nM in chemiluminescence-based oxygen tunneling (CLOT) assays and enzyme-coupled SAH detection assays (ECSD). It inhibits GLP (G9a like protein) with an IC<sub>50</sub> of 15 nM and 23 nM in these assays. It is inactive against SET7/9, SET8/PreSET7 and PRMT3 in ECSD assays.

**STORAGE TEMPERATURE:** -20°C. Store in the dark. Product is light sensitive.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**REFERENCE:** Liu, F., Chen, X., Allali-Hassani, A., et al. Protein lysine methyltransferase G9a inhibitors: Design, synthesis, and structure activity relationships of 2,4-diamino-7-aminoalkoxy-quinazolines. *Journal of Medicinal Chemistry* (2010).

**RELATED PRODUCTS:**

A-366 (Cat. No. 2859)  
 UNC0642 (Cat. No. 2862)  
 UNC0638 (Cat. No. 1933)  
 BRD4770 (Cat. No. 9525)  
 UNC0224 (Cat. No. B2823)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*