
Product Data Sheet

Product Name: BMVC2
Cat. No.: GC63977

Chemical Properties

Cas. No. 850559-51-2

Formula C₂₈H₂₅I₂N₃ M.Wt 657.33

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

BMVC2 (o-BMVC) is a bisubstitute carbazole derivative of BMVC. BMVC2 is a G-quadruplex (G4) stabilizer[1].

BMVC2 by monitoring the disappearance of the 291 nm CD signals of d[AG3(T2AG3)3] (HT22) after adding Cu²⁺ is screened, a longer unfolding time would dictate a better G4 stabilizer. The unfolding curve of HT22 in the presence of BMVC2 can be fitted by using two time constants of 133.7 s (29%) and 2816 s (71%), which are similar to the unfolding parameters of BMVC[1].

[1]. Jen-Fei Chu, et al. A Novel Method for Screening G-quadruplex Stabilizers to Human Telomeres. Journal of the Chinese Chemical Society, 2011, 58, 296-300.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA