

# Supplementary Materials: Tumor Accumulation of PIP-Based KRAS Inhibitor KR12 Evaluated by the Use of a Simple, Versatile Chicken Egg Tumor Model

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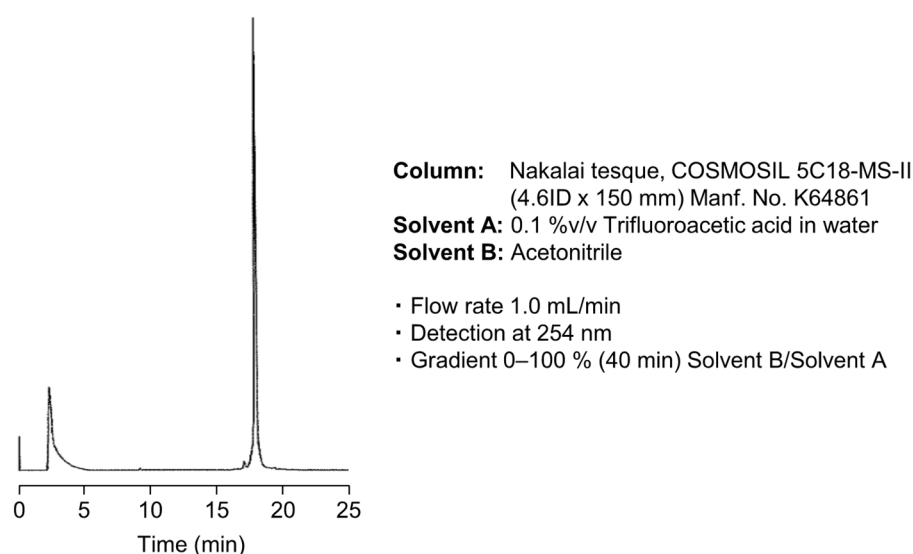
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## 1. Characterization of KR12-TAMRA by HPLC

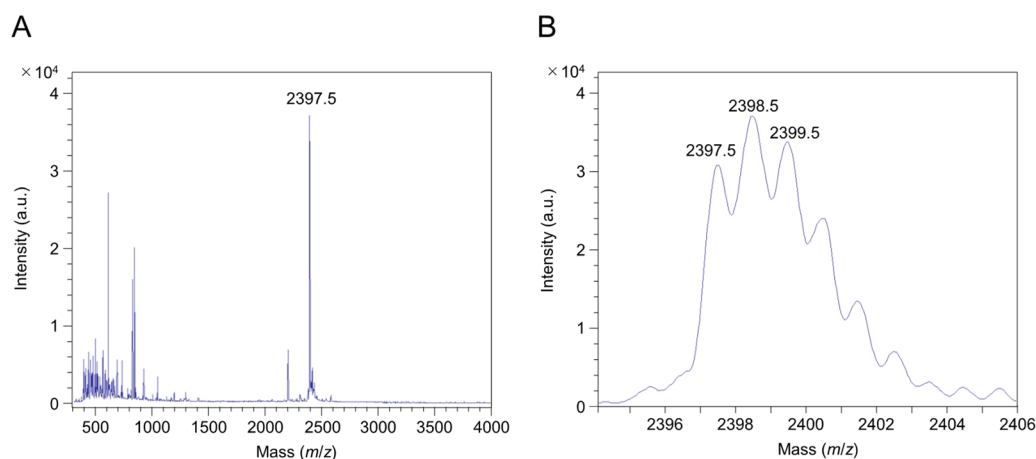
Reversed-phase (RP) HPLC purification was performed on an Engineering PU-2089 plus series system (Jasco) using a COSMOSIL 5C18-MS-II column (Nacalai tesque). 0.1% TFA in water and acetonitrile were used as the eluent with detection at 254 nm. As shown in Figure S1, the sharp measure peak was detected. RP HPLC purification and lyophilization give KR12-TAMRA (4.6 mg, 1.9  $\mu$ mol, 37 %) as a purple solid.



**Figure S1.** HPLC analysis of KR12-TAMRA.

## 2. Characterization of KR12-TAMRA by MALDI-TOF MS

Matrix assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS) analysis was conducted on a microflex system (Bruker Daltonics K.K.). The purified KR12-TAMRA was characterized using MALDI-TOF MS. MALDI-TOF MS  $m/z$  calcd for  $C_{116}H_{135}N_{38}O_{21} + [M + H]^+$  2396.1, 2397.1, 2398.1, and found 2397.5, 2398.5, 2399.5 as shown in Figure S2.



**Figure S2.** MALDI-TOF MS analysis of KR12-TAMRA. **A:** MALDI-TOF mass spectrum of KR12-TAMRA. **B:** Spectrum near the peak of KR12-TAMRA.