

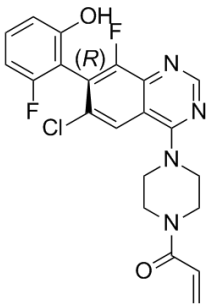
## Certificate of Analysis

Target	Inhibitors & Agonists>>Ras-Raf-MAPK-ERK>>Ras
Cat.No	DC12031
Name	ARS-1630

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## Chemical Properties

CAS	1698055-86-5
Formula	C <sub>21</sub> H <sub>17</sub> ClF <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
MW	430.84
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The chemical structure of ARS-1630 is shown. It features a central benzimidazole ring system. One of the benzimidazole nitrogens is substituted with a piperazine ring, which is further substituted with an acrylamide group (-NH-C(=O)-CH=CH<sub>2</sub>). The benzimidazole ring is also substituted with a hydroxyl group (-OH) and a fluorine atom (-F) at the 2-position, and a chlorine atom (-Cl) and a fluorine atom (-F) at the 5-position. A chiral center is indicated with an (R) configuration.</p>
Purity	>98%

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