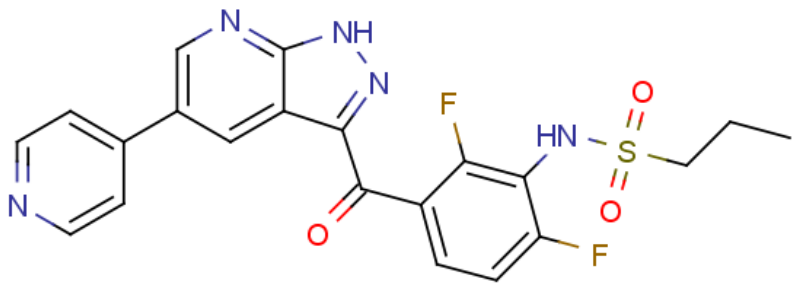
# Name: Darizmetinib **Cat#:** EX-A7404

Chemical Structure:

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|---|---|
| Chemical Name | N-(2,6-difluoro-3-(5-(pyridin-4-yl)-1H-pyrazolo[3,4-b]pyridine-3-carbonyl)phenyl)propane-1-sulfonamide |

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|---|---|---|---|
| Molecular Weight | 4457.453 | Storage | 3 years -20°C powder<br>6 months -80°C in solvent<br>Away from moisture |
| Formula | C21H17F2N5O3S | | |
| CAS No. | 2369583-33-3 | Synonyms | HRX0215 |

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|---|---|---|---|
| Solubility (25°C) * | In vitro | DMSO | Soluble in DMSO |
| | | Ethanol | N/A |
| | | Water | N/A |
| | In vivo （should be freshly prepared each time） | | |

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Selleck tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.

Preparing Stock Solutions:

| Mass / Volume / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 2.1860 mL | 10.9299 mL | 21.8598 mL |
| 5 mM | 0. 4372 mL | 2.1860 mL | 4.3720 mL |
| 10 mM | 0. 2186 mL | 1.0930 mL | 2.1860 mL |

DMSO : *The above data is based on the product molecular weight 457.46.

Biological Activities:

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| **Description** | Darizmetinib (HRX0215) a potent, selective MKK4 (MAP2K4/SEK1) inhibitor. Darizmetinib shows potential for promoting liver regeneration or reducing or preventing hepatocyte death[1] [2]. |

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| **References** | [1]. Praefke B, et al. Preparation of pyrazolopyridines as protein kinase MKK4 inhibitors for promoting liver regeneration or reducing or preventing hepatocyte death.<br>[2]. WHO Drug Information-World Health Organization (WHO). |