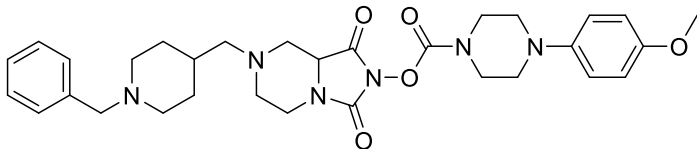


# Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
563742	ABC44	S21G11M06

Chemical name	
7-((1-Benzylpiperidin-4-yl)methyl)-1,3-dioxohexahydroimidazo[1,5-a]pyrazin-2(3H)-yl 4-(4-methoxyphenyl)piperazine-1-carboxylate	
Synonyms	
ABC44; ABC-44; ABC 44	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 563742 Name: ABC44 CAS#: 1831135-46-6 Lot#: S21G11M06 Chemical Formula: C <sub>31</sub> H <sub>40</sub> N <sub>6</sub> O <sub>5</sub> Exact Mass: 576.306 Molecular Weight: 576.69

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	<sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**