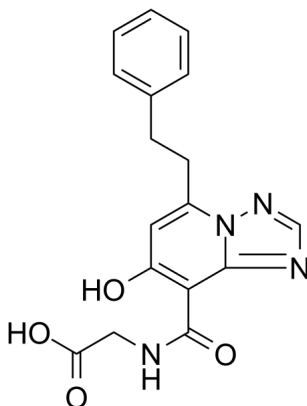


## Certificate of Analysis

Catalog Number	BP13822
Product Name	Enarodustat

## Physical and Chemical Properties

Synonyms	JTZ-951
CAS No.	1262132-81-9
Chemical Formula	C <sub>17</sub> H <sub>16</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight	340.339
Solubility	DMSO: 83.33 mg/mL (244.85 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of Enarodustat is shown. It features a pyrazole ring system. One ring of the pyrazole is substituted with a phenyl group and a hydroxyl group. The other ring is substituted with a carboxamide group and a carboxylic acid group. The carboxylic acid group is further substituted with a hydroxyl group.</p>

## Product Information

Description	Enarodustat is an orally active factor inhibitor of prolyl hydroxylase (EC50: 0.22 μM) and has the potential for renal anemia treatment.
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Targets&IC50	factor prolyl hydroxylase: □EC50□0.22 μM
In vitro	Enarodustat exhibits neither CYP (IC50 > 100 μM; CYP3A4/5, CYP2C9, CYP2D6, CYP1A2, CYP2A6, CYP2C19, CYP2C8, CYP2B6) nor hERG (IC50 > 100 μM) inhibition.
In vivo	Enarodustat (1 and 3 mg/kg, p.o., in rats) treatment increases hemoglobin levels in a dose-dependent manner.

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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