

aĈE-aĉ:**ā**"**ā**,**æ**-**ī**/r/š (1R,3S)-1,2,3,4-**ā**:"**x**°c-8-ç/**4**YāY°-7-ç"**z**æ°šāY°-6-ç"**z**āY°-1,3-ā/**4**,**ā**-**ā**•%ōā"(Cē"**z**é†**†**

aĈE-aĉ:**ā**"**ā**±**æ**-**ī**/r/š 1,3-bis(hydroxymethyl)-7-methoxy-6-methyl-1,2,3,4-tetrahydroisoquinolin-8-ol
ā"šā"**æ**ZēāŠē^{TMA}¶||ç"**ē**E"/r/š ā Yā šāŠçš'ç'"ç"**ē**ē"ā€,

ç'§æ€¥æf...â†µæ|,èç°ĩ¹⁄₄š

 $\mathfrak{A} \text{---} \mathfrak{C}\mu, \mathfrak{A}^{\text{TM}}$

GHSå±é™©æ€§ç±»»å^«ï¼š

 $\mathfrak{a} - \mathfrak{e}_{\mu}, \mathfrak{a} - \text{TM}$
$$\mathfrak{a} \pm \zeta^{3/4} \mathfrak{e} | \zeta' \quad \mathfrak{i}^{1/4} \mathfrak{s}$$
$$\text{è} \pm \text{; } \text{ã}^{1/2} \text{ç} \text{ã}^{3/4} \text{ĩ}^{1/4} \text{š } \text{æ} \text{— } \text{è}_{\mu, \text{æ}} \text{—}^{\text{TM}}$$
$$\mathfrak{e}^1_{\mathfrak{c}^0} \mathfrak{e}^{-1}_{\mathfrak{i}^{1/4} \mathfrak{s}} \mathfrak{x} - \mathfrak{e}_{\mu, \mathfrak{x}}^{\text{TM}}$$
$$\mathfrak{a} \pm \epsilon^{\text{TM}} \mathbb{C} \mathfrak{a} \in \mathcal{S}^{\pm}, \mathfrak{a} \sim \check{Z}^{1/4} \mathfrak{s}$$

æ—èµ.æ—™

$$\acute{e}^2\grave{e}\mathbb{E}f\grave{e}^{-'}\wp\check{Z}i^{1/4}\check{s}$$

• $\acute{e}\phi \quad \acute{e}^2 \mathfrak{x} \check{Z}^a \mathfrak{x}$

- [illegible]

c⁰/₀₀©c†â'CEâCE-â!â±éTM©i'¼š æ— èµ.æ-TM

cZǎcfǎ+ǎ@3i1/š æ—èu æ—TM

$\text{C}_{10}\text{H}_{11}\text{NO}$	$\text{C}_{10}\text{H}_{11}\text{NO}$ (100%)	CAS No.
1,3-bis(hydroxymethyl)-7-methoxy-6-methyl-1,2,3,4-tetrahydroisoquinolin-8-ol	100%	95727-08-5

$$\mathfrak{e} \in \mathbb{Y} \quad \mathfrak{e} \bullet \text{'i}^{1/4}\mathfrak{s}$$

å å...¥i'š å|æžœå å...¥i'¼(È⁻·å°†æ.fè€...c\$»å^æ-°é²œœ©°æ'''æ.ã€

cšRè pæŽeS'1/š è +āŽæ+:æY“cš è:f cF1/(Fc)”è Ycš æ'o'ā'(Fæ æ'o'ā'1/»ā°•ā't²æ'—cšRè pæf ā! æo%ä éf æ Yī¼(Fā°+ā(Fæāf

၎င်းတို့သည် အောက်ပါအတိုင်း ဖော်ပြထားပါသည်။

$\dot{z}c\ddot{y} \quad \text{v} \dot{\text{a}} \mid \dot{\text{x}} \text{m} \mid / + \dot{\text{o}} \text{f} \dot{\text{a}} \mid / (\text{E} \mid \text{m} \mid \dot{\text{o}} \quad - \dot{\text{o}} \dot{\text{z}} \text{f} \quad \text{a} \mid \mid \dot{\text{o}} \dot{\text{z}} \dot{\text{z}} \dot{\text{o}} + \dot{\text{o}} (\text{E} \mid \dot{\text{z}} \text{f}$

[illegible]
$$\hat{a}^{-1}\hat{a}(F)\rangle c''\ddot{Y}c\check{.}c\%_{00}^1\hat{a}\langle\langle\text{æ}c^{\alpha}i^{1/4}\check{s}\text{æ}—\text{è}\text{u.æ}^{\text{TM}}$$

çç«å%oo,ï¹/₄š

c''æ°'é>3/4ã€â12c20/00ã€æ3;æ2<æ^–ä°œæ°§âœ–cc13cc<â°00,cc<ã€.

é;ǎ...ä½;c”c’æuæ°cc«¼(Fc)æuæ°ǎ-èf½ǎ-¼et’ǎ-ctfæfSæ°ǎ½“čš.éfzæ°...¼(Fä½;cǎŠ;æ%©æ•fǎ€

0% 1^ «å±é™©æfšĩ¼š

$$\mathfrak{P} = \mathfrak{e} \parallel \mathfrak{P}^{\text{TM}}$$
$$cc//m^3 \cdot m \quad \check{a}^0/\delta \cdot 1 \check{a} \check{S} \delta^2 m \check{S} m \check{Z}^a m_{-1/\check{i}}^{1/\check{x}}$$
$$\frac{m}{\Gamma} \left(\frac{\partial^2}{\partial t^2} + \frac{\partial}{\partial t} \right) \left(\frac{\partial}{\partial x} + \frac{\partial}{\partial y} \right) \left(\frac{\partial}{\partial z} + \frac{\partial}{\partial w} \right) \left(\frac{\partial}{\partial u} + \frac{\partial}{\partial v} \right) \left(\frac{\partial}{\partial p} + \frac{\partial}{\partial q} \right) \left(\frac{\partial}{\partial r} + \frac{\partial}{\partial s} \right)$$
[illegible]
$$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

ad, ade ç«ade a, çs, a^ka^m e«fa-a e%oo-æ -a»La^k%ood...

es'ç₁»a⁰⟨æ...çZ⁰aoe⁰1/4(Eç₁æçæ—a...³a⁰⁰a⁰e₂⟩a...¥at,

æ'ā®ā'Āā,,ç†æ'ĕ²æ°i¼ĀĒ²æçæ±;æY'çZ āçfâĒ,

ä¹/₂œä, šä⁰⁰ä¹~é²æš_æž³æ⁻¹/₂ãé²æš_æē...ā□:ā'Œā⁰"æŒā□,ç¹/₂®ç'<ā⁰!/š

$$\mathfrak{a} \gg \mathfrak{e}^{\mathbb{R}(\mathbb{R})\mathfrak{a}''} \mathfrak{a} \in \mathbb{V} \mathfrak{a} \mathbb{Q}, \mathfrak{c} \dagger \mathfrak{a}^{00} \mathfrak{a} \sim \mathfrak{a}^{\wedge'} \mathfrak{a}^0 \mathfrak{a}^{\mathbb{O}''} \mathfrak{a}^{1/4} \mathfrak{a}^{1/4} \mathfrak{a}^{\mathbb{T}^{\mathbb{M}}} \mathfrak{i}^{1/4} \mathbb{E} \mathfrak{c} \mathbb{C}; \mathfrak{e}^{\sim 2} \mathfrak{e}^{\mathbb{T}^{\mathbb{M}}} \mathfrak{c}'' \mathfrak{u} \mathfrak{a} \mathfrak{e} \mathfrak{i}^{1/4} \mathbb{E} \mathfrak{a}^{\wedge'} \mathfrak{a} \mathbb{C}; \mathfrak{e} \mathfrak{f} \mathfrak{f} \mathfrak{e} \mathfrak{a}^{21} \mathfrak{a}^0 \mathfrak{a} \mathfrak{Y} - \mathfrak{a} \mathfrak{E}.$$

c!æcæŽYèš!æ^—è·è¶Šæ³.æ¹⁄₄c⁰%©ã€.

ä^{1/2}œä šæ—[ä^{1/2}:c"]cš æ^{0/2}œæœ^{0/2}œ(ß³/åœ†åœ"æ⁷Yåœœäœ

ç→9éƒˆâˆ† ç†ˆâœ—ç%o!æ€§

âĉ-êš,ä,Žæšçšŋĩ/š æ— èµ,æ-TM
pĤâĉ/äĩ/š æ— èµ,æ-TM
æ²,ç,¹âĉâ²,ç,¹â²Ĉæ²,ç²/ä¹Â°Cĩ/4‰ĩ/š 401.2Â°C at 760mmHg
é—²ç,ĩ/4¹Â°Cĩ/4‰ĩ/š 196.4Â°C
ç†ç,æžēTMĩ/4»ĩ/4...ĩ/4â¹/²“çš⁻â†æ²°ĩ/4‰ĩ/4¹/²ĩ/š æ— èµ,æ-TM
â±â¹è²,æ²”âž¹/4¹kPaĩ/4‰ĩ/š æ— èµ,æ-TM
ç,â¹â¹†â²(æ²°â»¥lè®)ĩ/š 1.216g/cm³
æ²”â¹³ē²âĉ/äĩ/4¹mg/mÂ³ĩ/4‰ĩ/š æ— èµ,æ-TM
æ²ŋlèššæšĩ/š æ— èµ,æ-TM

æ²”â¹³/š æ— èµ,æ-TM
ç†²ç,¹/â¹â²°ç,ĩ/4¹Â°Cĩ/4‰ĩ/š æ— èµ,æ-TM
è²²ç†fæ,©â²ĩ/4¹Â°Cĩ/4‰ĩ/š æ— èµ,æ-TM
â†èššæ,©â²ĩ/4¹Â°Cĩ/4‰ĩ/š æ— èµ,æ-TM
è²,â¹ēēŸçž¹/4»âTMé...ĩ/4¹æšĩ/4‰â,é...â»¥lè®ĩ/4¹/²ĩ/š æ— èµ,æ-TM
æ²²ç†fæšĩ/4¹â²°â¹/²“âĉæ²”â¹/²¹/4‰ĩ/š æ— èµ,æ-TM
è²,æ²”â¹†â²ĩ/4¹ç²æ²°â»¥lè®ĩ/4‰ĩ/š æ— èµ,æ-TM
n-è²/4è††/æ²°â¹é...ç²æ²°ĩ/4¹lg Pĩ/4‰ĩ/š æ— èµ,æ-TM
éâ²ĩ/š æ— èµ,æ-TM

ç¹10éf·â† ç³â®šæšâ²Ĉâ²”æš

ç³â®šæšĩ/š æfâ,çž⁻âçfæ,©â²â,â,â²â²Ĉâ¹/²ç²”ĩ/4Ĉææ²â²ç³â®šâĉ,
â±ēTMââ²”ĩ/š æ— èµ,æ-TM
éžâ...æžēšçš,æ²â»ŋĩ/š éTMç²µæ²³/4ç²µâĉçfâĉæ¹/²®æ¹çç²‰âĉ,
ç¹é...ç²‰ç²ĩ/š æ— èµ,æ-TM
â±ēTMççš,â¹†èššâ²šç²‰ç²ĩ/š æ— èµ,æ-TMâĉ,

ç¹11éf·â† æ²ç†â²äç;æ²

æĈæšæ²æšĩ/š
ç²âf: æ— èµ,æ-TM
â,â...¥: æ— èµ,æ-TM
ç²çš®: æ— èµ,æ-TM
šš®è,²â²æçfæ²-è...èšĉ:
æ— èµ,æ-TMâĉ,
çæ¹/4ç²â²æçfæ²-è...èšĉĩ/š
æ— èµ,æ-TMâĉ,
â¹/4â,æ²-çš®è,²èç†æ²³ĩ/š
æ— èµ,æ-TMâĉ,
ç²Ÿæ®-ç²†èfžç²â²æšĩ/š
æ— èµ,æ-TMâĉ,
è†²çTMĈæšĩ/š
æ— èµ,æ-TMâĉ,
ç²Ÿæ®-æ²æšĩ/š
æ— èµ,æ-TMâĉ,
ç²‰â¹/4,æšĉēŋâTMâ²ç²ç²Ÿæ²æšâĉ²âĉ²â,Ĉæ²æžēšçšĩ/š
æ— èµ,æ-TM
ç²‰â¹/4,æšĉēŋâTMâ²ç²ç²Ÿæ²æšâĉ²âĉ²ââ²æžēšçšĩ/š
æ— èµ,æ-TM
â,â...¥â±â²ĩ/š
æ— èµ,æ-TM

ç¹12éf·â† ç²ŸæĈâ²äç;æ²

ç²ŸæĈæ²æšĩ/š
é±¹/4ç²»æĈŸæšæ²æšè²·é²Ĉ: æ— èµ,æ-TM
æ²žç²»æĈŸæšæ²»âš²æš²â²ŋlè²·é²Ĉ: æ— èµ,æ-TM
è²»ç²»ç²Ÿé²æš²â²ŋlè²·é²Ĉ: æ— èµ,æ-TM
â¹â³/4®ç²Ÿç²‰ççš,æ²æš: æ— èµ,æ-TM
æĈâ¹...æšâ²ĈēTMèššæšĩ/š
æ— èµ,æ-TMâĉ,
ç²Ÿç²‰ç²â²Ĉé²æ²ç²Ÿç²‰ç²Ÿ⁻ç²æšĩ/š
æ— èµ,æ-TMâĉ,
âæŸâĉ²â,çš,èççš»æšĩ/š
æ— èµ,æ-TMâĉ,

ç¹13éf·â† â²Ÿâ¹/4fâ²,ç¹/²®

â²Ÿâ¹/4fâĈ-â²â²¹/š
â²¹/2â²èf¹/2â²žæ²ŋâ²ç²²âĉ,
â²,æžæâ,èf¹/2â²žæ²ŋâ²ç²²¹/4Ĉé††ç²²ç,šçfšæ²¹æ³·èçèĈâ²,ç¹/2®âĉ,
â,â³/4-é††ç²²æž²æ²³/4â²â,æ²°é²çš,æ²¹â¹/4â²Ÿâ¹/4fâ²,ç¹/2®ææ²â²âĉ,
æ±jæŸ²âĈ...ēĉ...ç²‰ç²ĩ/š
â²²â²®â¹âTMèç²²èç²Ÿ²Ÿâ²šâ²†æ²-æĈ²‰ç²...šâ²/2â²®ŋâ²Ĉâæ²æ²¹æ³·èš,â²,ç¹/2®âĉ,
â²Ÿâ¹/4fæ²æ²,â²èç²¹/š
â²Ÿâ¹/4fâ²,ç¹/2®â²‰â²²â,é²...â²/2â²®ŋâ²Ĉâæ²æ²¹ææ²‰â²...²æ³·èš,âĉ,

ææ-SDScš,,ä;æ-ä)...é€,,c''''äZæ%œæE†ä@šš,,äöšä'v¼Ee'™éç%ö'ä^«æE†äZv¼Eä-¹äZææ-äöšä'äZä...¶ä@fc%œè

"çš,,æ-â°ç%œçœæf...â°µâ,é,ç""æ, ææ¬SDSâ°â°,é,£â°â-êçéé,â°/â,"â,sê®-
 ç»fçš,,è°â°â°"çš,,â°/âç""â°â°"æâ°/â°â°â°â°"â°/âç""â°®œœâ...æ-éççš,,èµ,,æ-TMæ, ææ¬SDSçš,,â°/âç""æ...
 î°/â°æ°»â°-é°SDSçš,,é,ç""æçšâ°/â°æâ°ç°¬ç««â°æ-æ,ç""±â°Zâ°/âç""ææ¬SDSæ%æâ°/â°èççš,,â°/â°æ°®°î°/â°æææ¬SDSçš,,ç°/â°-
 â°TMæ...â°°fâ,é°Yü»â°/°è°£â»æ,